



**King County**



Photo: Andrea - Laborer Apprentice and Graduate of ANEW's Trades Rotation Program

# ANNUAL APPRENTICESHIP & PRIORITY HIRE REPORT 2018

**Department of Executive Services**  
Finance and Business Operations Division  
Business Development and Contract Compliance

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# EXECUTIVE SUMMARY



*We are connecting people in the most economically disadvantaged neighborhoods to family-wage construction jobs that will build the future of our region.*

*Dow Constantine, King County Executive*

The skilled trades are facing a shortage of workers, one that has been discussed at length over the last several years. One way to address this shortage is to provide assistance and support to those underrepresented in the construction industry. King County's Apprenticeship and Priority Hire Programs work together to improve access to employment and training programs for workers in need of family-wage jobs.

Our Apprenticeship Program provides workers paid on-the-job learning, classroom instruction and a pathway into family wage careers. The creation of a permanent King County Priority Hire Program is a step to ensure that contractors' prioritize local workers for inclusion on county capital construction projects through state-recognized apprenticeship programs. King County infrastructure projects will now provide opportunities for more people who live in economically distressed communities to grab that first rung of the economic ladder.

Contractors who enter into agreements on county capital construction projects will consent to making a percentage of the residents living in economically distressed communities, who have the requisite skills, a priority when hiring for the project. These actions will benefit King County residents as a short and long term strategy for increasing the supply of construction workers, improving access to local jobs that pay family wages, and building careers in the construction trades industry for residents of our local communities.

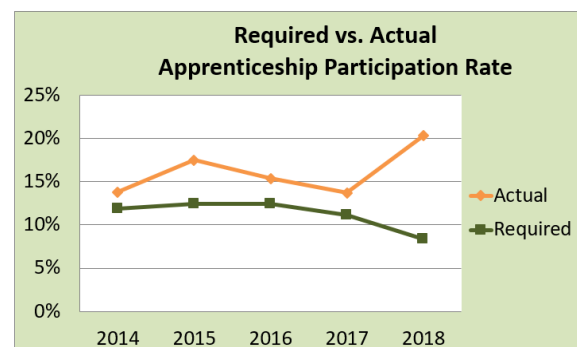
King County's Apprenticeship program and its new Priority Hire Program requirements led to the following record-breaking results in 2018:

## Apprenticeship:

- 778,018 apprentice labor hours
- 20.3 overall apprentice rate
- 607 registered apprentices
- 21.9 percent overall Priority Hire rate
- 36.9% minority apprentice rate
- 11.3% women apprentice rate

## Priority Hire:

- 217 Priority Hire Workers
- 45,857 Priority Hire labor hours
- 55.1% Priority Hire minority workers rate
- 12.7% Priority Hire women workers rate



The enclosed chart illustrates the actual apprenticeship participation rates achieved for the 5-year period between 2014 and 2018. Prime contractors have consistently exceeded the overall required apprenticeship rate for each of the past 5 years. The demand for skilled workers continues to outpace supply. By connecting people in our communities to high-demand construction jobs, we will ensure our region has the skilled workforce our rapidly growing region needs.



# APPRENTICESHIP AND PRIORITY HIRE PROGRAM OVERVIEW

This report summarizes the performance results of the King County Apprenticeship Program and the Priority Hire Program as required by King County Code 12.16.175 and 12.18A.050, for the period January 1, 2018 through December 31, 2018.

King County's longstanding, highly successful apprenticeship program and its new Priority Hire Program, which became permanent policy in March 2018, work in tandem to advance economic and equity goals. Together they build a skilled workforce that is necessary for our region's continued prosperity; and priority hiring has the additional focus of uplifting King County residents who live in economically disadvantaged ZIP codes. These programs support the implementation of King County's Equity and Social Justice (ESJ) Strategic Plan.

Today, apprenticeships are well established in the construction industry with wage rates and career opportunities that appeal to new job seekers. There are many high-quality programs for electricians, carpenters, plumbers, and pipe fitters, among other trades. Apprenticeships are a structured form of paid worker training, performed under the supervision of journey-level craft persons that combines on-the-job learning and classroom instruction. As a workforce development tool, apprenticeships have been shown to boost workers' earnings and provide pathways to family wage jobs, which is why many contractors, unions and associations rely on these training opportunities as a key tool to develop a highly skilled, construction workforce. The average length of time to complete an apprenticeship is 3 to 4 years, although this can vary depending on the choice of trade.

The combination of apprenticeships and priority hiring harmonizes economic and equity efforts to connect job seekers with employment opportunities in the construction industry. Alignment of these two programs creates better access to paid training and jobs, and entry into the middle class for many persons. Both programs are critical for addressing a widening gap between the demand for construction labor and the supply of skilled trade workers in our regional labor market. Both programs also provide opportunities for people to thrive and for King County communities to be uplifted and invigorated with new jobs and careers.



# THE APPRENTICESHIP PROGRAM

King County establishes apprenticeship requirements on selected public works projects with an estimated construction value of greater than \$1 million dollars. Contractors must ensure that a required percentage of the total contract labor hours are worked by apprentices enrolled in an apprenticeship program approved or recognized by the Washington State Apprenticeship and Training Council (WSATC).

The process to establish apprenticeship requirements permits flexibility based on the project size and scope, duration, trades and crafts involved, and projected number of labor hours. The process ensures that the set level of utilization is realistic and consistent with the scope of work, trades, and crafts involved.

Labor hours are the total hours performed by all workers inclusive of apprentices and journey level workers who are paid an hourly wage and who are directly employed on the public works project. Labor hours include hours performed by workers employed by the prime contractor and all subcontractors. Labor hours do not include hours performed by superintendents, foremen, owners and workers who are not subject to prevailing wage requirements.



Contractors with apprenticeship requirements on their projects submit Apprenticeship Utilization Plans (AUP) that identify each trade and the corresponding number of apprentices projected to meet the apprenticeship requirement. King County only accepts a reasonable and achievable AUP after the prime contractor has identified all subcontractors committed to using apprentices to achieve the established requirements.

The County may implement the use of sanctions against contractors who fail to comply with the established apprenticeship requirements. Sanctions include the use of liquidated damages specified in the contract, and in extreme cases of violation, may include suspension or debarment. During this report period, King County did not apply sanctions to any prime contractors. The program contains provisions for contractors who encounter situations in which they are unable to obtain enough apprentices to meet the established requirement.

## 2018 Apprenticeship Program Summary Highlights

In 2018, King County applied apprenticeship requirements to 49 projects in the Departments of Natural Resources and Parks (32 contracts), Transportation (14 contracts), Executive Services (2 contracts), and Information Technology (1 contract),

The Apprenticeship program requirements led to the following record-breaking results in 2018. The number of apprentices and overall participation rates achieved by Washington state registered apprentices, minority, and women apprentices surpassed all prior year results since the program began.


- A 134 percent increase in the total number of labor hours worked by Washington state registered apprentices: 158,137 apprentice labor hours compared to 67,538 in 2017.
- A 52 percent increase in the number of Washington state registered apprentices: 607 state registered apprentices compared to 399 in 2017.
- A 48 percent increase in the overall apprentice participation rate: 20.3 percent overall apprentice rate from 13.7 percent in 2017.
- An increase of 16 percent in the minority apprentice participation rate: 36.9 percent minority apprentice rate compared to 31.8 percent in 2017.
- An overall increase of 47 percent in the women apprentice participation rate: An 11.3 percent women apprentice rate up from 7.7 percent in 2017, exceeding the national average of 3 percent.





## Apprenticeship Program 2018 General Summary Table





2018 General Summary									
Total Labor Hours on KC Projects		778,018							
Actual Apprentice Hours Worked		158,137							
Actual Apprentice Hours Percentage		20.3%							
Apprentice Hours Overall Requirement at 15%		116,703							
Number of Apprentices		607							
Apprentice Population Summary									
Population	Number	Hours	% Hours						
Caucasian Men	336	88,748	56.1%						
Caucasian Women	39	11,005	7.0%						
Disabled Persons			Not in total	Apprentice Hours by Race					
Disadvantaged Youth		0	Not in total	Asian	African American	Hispanic	Multi-Racial	Native American	Pacific Islander
Minority Men	208	51,606	32.6%	9,316	7,032	21,144	1,448	6,512	6,154
Minority Women	24	6,778	4.3%	10	3,504	925	0	774	1,567
Subtotal Minorities	232	58,384	36.9%	9,326	10,536	22,069	1,448	7,285	7,721
% Apprentice Hours by Race:				5.9%	6.7%	14.0%	0.9%	4.6%	4.9%
Department Summary		Projects	\$ Amount	*Preferred Entry Hours	No. Preferred Entry Workers	Labor Hrs	No. Apprentices	Apprentice Hrs	% Rate
Executive Services									
Facilities Management Division		2	\$154,681,395	9,133	19	362,493	286	93,374	25.8%
Subtotal		2	\$154,681,395	9,133	19	362,493	286	93,374	25.8%
King County Information Technology									
Information Technology		1	\$1,750,000	0	0	1,258	2	19	1.5%
Subtotal		1	\$1,750,000	0	0	1,258	2	19	1.5%
Natural Resources & Parks									
Parks & Recreation		4	\$4,201,919	577	3	11,284	14	1,261	11.2%
Solid Waste Division		2	\$33,619,010	856	4	67,390	44	14,240	21.1%
Wastewater Treatment Division		21	\$243,555,763	8,270	33	265,439	184	39,771	15.0%
Water & Land Resources Division		5	\$10,342,969	502	1	17,400	14	3,285	18.9%
Subtotal		32	\$291,719,661	10,204	41	361,513	256	58,556	16.2%
Transportation									
King County International Airport		3	\$2,345,432	0	0	3,973	7	608	15.3%
Marine Division - Ferry District		1	\$7,180,000	0	0	3,089	3	472	15.3%
Road Services Division		5	\$39,298,132	1,091	17	38,476	36	4,408	11.5%
Transit Division		5	\$6,412,704	104	1	7,218	17	701	9.7%
Subtotal		14	\$55,236,268	1,195	18	52,755	63	6,189	11.7%
Departments Total		49	\$503,387,324	20,532	78	778,018	607	158,137	20.3%

\*Refer to the Preferred Entry Program discussed later in this report

In 2018, King County achieved an overall apprenticeship rate of 20.3 percent, far exceeding the overall goal of 15 percent. This is the highest level of apprenticeship achieved during a single report period since the start of the program. The construction news is definitely good for King County. The Employment Security Department of Washington State (ESD-WA) reports thousands of people joining the construction workforce in the last year, a 6.6 percent increase compared to 2016 in Seattle alone. <sup>1</sup>



In 2018, King County achieved an overall of 20.3 percent for all public works projects subject to the apprenticeship requirements. The overall apprenticeship rate is calculated by dividing the total of apprentice labor hours by the total of all labor hours associated with applicable projects.

Table 1 - Comparison 2018 / 2017 Apprentice Participation shown below is a data comparison of the 2018 and 2017 participation rates in labor hours and the number of apprentices employed on County public works projects.

**Table 1 - Comparison 2018 / 2017 Apprentice Participation**

Apprentice Participation	2017	2018	% Change from 2017
Number of Projects	45	49	+8.9%
Total Labor Hours	494,098	778,018	+57.5%
Total Apprentice Labor Hours	67,538	158,137	+134.1%
Apprentice Participation Rate	13.7%	20.3%	+48.2%
Apprentices Employed on County Projects	399	607	+52.1%

King County's overall apprenticeship rate has steadily increased over the past 5 years. In 2018, the County's overall apprentice rate hit a record high of 20.3 percent. The data also reveals a corresponding sharp increase in the total labor hours worked on these projects. The construction projects of two County departments contributed significantly toward the total number of labor hours worked in 2018.

<sup>1</sup> *Source:* Seattle Times article, May 14, 2018, [Seattle's booming, but construction workers fear a bust,](#) by Margo Vansyngel.

## **Children and Family Justice Center**

Of the total 778,018 labor hours worked on County projects subject to the apprenticeship requirements in 2018, the Children and Family Justice Center (CFJC) project that is managed by the Facilities Management Division within the Department of Executive Services is a clear frontrunner.



The CFJC project alone produced 360,688 total labor hours, representing 46 percent of all labor hours worked on County projects in 2018. Of this number, state registered apprentices have performed 93,205 labor hours resulting in a cumulative record-setting apprenticeship rate of 25.8

percent. This design-build project produced 59 percent of all apprentice labor hours performed on County projects in 2018.

## **Department of Natural Resources and Parks**

The results garnered by construction of the CFJC project resemble those generated from the 32 construction projects executed by the Department of Natural Resources and Parks (DNRP). In 2018, the DNRP generated 361,513 or 46 percent of all labor hours worked on County construction projects that included apprenticeship requirements. The DNRP was a major contributor to the soaring increase in apprentice labor hours worked during the report period. Of the active construction projects carried out by DNRP during the report period, several projects are part of the Regional Wastewater Services Plan, a 30-year comprehensive plan adopted by the King County Council in 1999 to ensure the regional sewer system keeps pace with growth and continues meeting regulatory requirements.

Of the 32 construction projects managed by DNRP during the report period, 6 contracts include priority hiring requirements for persons who reside in economically distressed areas of King County. The Priority Hire Program is discussed in more detail later in this report.

## Projects Subject to Apprenticeship Program Requirements

Construction projects that are subject to King County's apprenticeship requirements generally fall within the following categories:

- I. Buildings - New construction
- II. Buildings – Alterations
- III. Highways and Bridges
- IV. Heavy Civil Construction

### I. Buildings – New Construction

These construction projects typically employ 12 to 18 different trades with opportunities for the use of apprentices in most of them. An apprenticeship requirement of 15 percent is realistic and attainable on these projects.

### II. Buildings – Alterations

Building alteration projects typically employ 10 to 12 trades, and an apprenticeship requirement of 15 percent is realistic and attainable for these projects.

### III. Highways and Bridges

Highway and bridge projects, including roads, paving, and park and ride lots, generally involve trades that include equipment operators and laborers. An apprenticeship requirement of 5 percent is realistic for these projects due to the specialized equipment used and reduced number of laborers (compared to new building construction or alterations as listed above). County bridgework generally has Federal Highway Administration (FHWA) funds. King County apprenticeship requirements do not apply to FHWA funded projects. The Washington State Department of Transportation (WSDOT) establishes training hours for FHWA projects. This report does not provide information on the number of trainees or labor hours worked by them on projects contained in this report.

### IV. Parks and Play Fields

Parks and play fields employ equipment operators and laborers. For these projects, however, workers fall under the category of "landscape construction" for which there is no apprenticeship program. It is not practical to establish apprenticeship requirements for these projects.

### V. Heavy Civil Construction

Heavy civil construction includes pipelines, tunnels, pump stations, and treatment plants. Tunnel and pipeline projects employ equipment operators and laborers with minimal participation from other trades. A 12 percent requirement is more realistic on pipeline projects. Pump stations typically employ 8 to 10 construction trades and are capable of achieving a 15 percent apprenticeship requirement.

As different King County Departments' public works projects often fall within certain construction categories, an expected range in apprenticeship usage rates for those departments is between 5 and 15 percent, depending on the of construction type in which the department specializes. In 2018, King County Departments' apprenticeship rates on construction projects that included these requirements ranged from 2.5 percent to 24 percent, with an overall average of 20.3 percent.

In 2018, the CFJC project produced the highest number of labor hours performed by state registered apprentices on a single County project in 2018.



## **Project Delivery Methods Impacts on Apprenticeship Rates**

In the procurement arena, “project delivery method” refers to the contracting agency’s method of procuring design and construction services. Chapter 39.04 RCW requires competitive bidding for public works projects, although it does not establish bid limits or required competitive processes. The exact public works bidding requirements vary from agency to agency. Many local governments have their own unique bid limits, competitive processes, and even exemptions in their statutes, and many are able to use a small works roster process for projects under \$300,000. Construction projects valued at or above \$300,000 are generally procured through the three types of project delivery methods identified below. The type of project delivery method used has an impact on the level of participation by state registered apprentices

### **Traditional Design-Bid-Build Project Delivery Method**

In the “traditional” design-bid-build public works process, an engineer / architect “designs” the project, an agency uses a competitive process to “bid” the project and make an award to a contractor, who then constructs or “builds” the project using plans and specifications prepared by the engineer/architect. The design-bid-build method is the most widely-used and well-established project delivery method. On a typical project, this type of project delivery method would include, among others, the electrical, mechanical (heating and air conditioning), plumbing, roofing, insulation, plaster/drywall, painting, and landscaping contractors. On a moderate sized project of \$15 million dollars to \$25 million dollars it is common to have 20 and sometimes as many as 40 to 50 specialty contractors, each performing their respective trade. This type of project delivery method for construction services employs a large number of trades, with an apprenticeship requirement of 15 percent considered as reasonable and attainable.

### **Alternative Design-Build Project Delivery Method**

Design-build is just one of several different project delivery methods. Design-build provides unique opportunities. The price can be established based on a conceptual design. This project delivery method does not require the subcontracts to be competitively bid, and the price can be set after construction documents are completed and all the subcontracts work can be put out for bid.

Chapter 39.10 RCW, Alternative Public Works Contracting Procedures, regulates the design-build project delivery method for all public agencies in Washington State except the Washington State Department of Transportation. The Capital Projects Advisory Review Board (CPARB) oversees the use of alternative project delivery methods defined in Chapter 39.10 RCW.

Under the design-build project delivery method an owner awards an entire project to a single entity. That entity then designs and constructs the project. The designer and builder may be the same firm, as is the fact for the CFJC project. This method permits the owner to award and start the initial phases of trade work while the designer completes or refines the later stages of the project design. This method divides the total project into segments, usually based on traditional trades. The initial project work, such as excavation and foundations, is designed and construction starts before completion of the total project design. As the initial trade contractors make sufficient progress or complete their work, the follow-on trade contractors commence their operations, resulting in a phased construction process. This project delivery method typically yields higher apprenticeship rates.

## Work Order Project Delivery Method

This procurement method is gaining popularity within King County. Work order contracts involve advertising a solicitation for bids, receiving and reviewing bids to determine the lowest responsive and responsible bidder. A contractor is retained to be “on call” to perform various work disciplines associated with emergencies or unanticipated projects that have to be addressed quickly. These elements can present a challenge for contractors in achieving the required level of apprenticeship participation for these types of contracts. (See the section, “Successes and Challenges” in this report).

Procurement and administrative policies limit the value of work orders to a not to exceed amount up to \$1 million dollars, and an individual job order within the work order contract cannot exceed three-hundred thousand dollars. These limitations serve to mitigate the use of these types of contracts in implementing agencies.



# THE PRIORITY HIRE PROGRAM

In 2018, King County was in its second year of piloting its Priority Hire Program. In March of that year, King County made its Priority Hire Program permanent policy and began implementing the program across all departments. In 2018, Priority Hire applied to 6 contracts. The 2018 summary of the program's performance that follows demonstrates the Priority Hire Program has been successful in creating jobs for local construction workers living in economically distressed areas in King County.

## Priority Hire Summary Highlights

The 6 contracts included in this report were awarded and managed by the Department of Natural Resources and Parks including: Solid Waste Division (1 contract) and Wastewater Treatment Division (5 contracts). The Finance and Business Operations Division (FBOD) within the Department of Executive Services is designated to implement and oversee the Priority Hire Program. FBOD sets and enforces the programs requirements for each project.



The Priority Hire Program requirements led to the following results in 2018:

- 217 Priority Hire workers performed 45,857 labor hours, resulting in a 21.9 percent overall Priority Hire rate
- Priority Hire apprentices performed 25.6 percent of all apprentice worker labor hours
- Priority Hire journey level workers performed 19.7 percent of all journey worker labor hours
- Priority Hire minority workers performed 55.1 percent of all Priority Hire labor hours
- Priority Hire women workers performed 12.7 percent of all Priority Hire labor hours



## Priority Hire Program 2018 General Summary Table



2018 Priority Hire General Summary														
Total Labor Hours on CWA Projects				209,733										
Actual Priority Hire Hours Worked				45,857										
Actual Overall Priority Hire Rate				21.9%										
[1]Number of Priority Hire Workers				217										
Apprentice & Journey Worker Combined Priority Hire Population Summary														
Population		Number	Hours	% Hours	Priority Hire Hours by Race Combined									
Caucasian Men		115	17,849	38.9%	Asian	African American	Hispanic	Native American	Pacific Islander					
Caucasian Women		9	2,751	6.0%	3,373	5,629	7,441	1,143	4,620					
Minority Men		85	22,206	48.4%	0	1,458	24	18	1,551					
Minority Women		8	3,051	6.7%	3,373	7,087	7,465	1,161	6,171					
Subtotal Minorities		93	25,257	55.1%	7.4%	15.5%	16.3%	2.5%	13.5%					
% Priority Hire Hours by Race:					7.4%	15.5%	16.3%	2.5%	13.5%					
PRIORITY HIRE APPRENTICES:														
Total Labor Hours on CWA Projects		209,733	Priority Hire Apprentice Population Summary											
Total Apprentice Hours Worked on CWA Projects		36,612	Population	Number	Hours	% Hours	Priority Hire Apprentice Hours by Race							
Actual Priority Hire Apprentice Hours Worked		11,727	Caucasian Men	11	1,748	14.9%	Asian	African American	Hispanic	Native American	Pacific Islander			
Actual Priority Hire Apprentice Hours Percentage		32.0%	Caucasian Women	7	2,268	19.3%	1,704	114	1,333	228	1,307			
Priority Hire Apprentices Hours Overall Requirement at 5%		1,831	Minority Men	18	4,684	39.9%	0	1,435	24	18	1,551			
Total Number of Apprentices		112	Minority Women	7	3,028	25.8%	1,704	1,549	1,357	246	2,858			
Total Number Priority Hire Apprentices		43	Subtotal Minorities	25	7,712	65.8%	14.5%	13.2%	11.6%	2.1%	24.4%			
% Priority Hire Apprentices Hours by Race:							14.5%	13.2%	11.6%	2.1%	24.4%			
PRIORITY HIRE JOURNEY WORKERS:														
Total Labor Hours on CWA Projects		209,733	Priority Hire Journey Worker Population Summary											
Total Journey Worker Hours Worked on CWA Projects		173,121	Population	Number	Hours	% Hours	Priority Hire Journey Worker Hours by Race							
Actual Priority Hire Journey Worker Hours Worked		34,130	Caucasian Men	104	16,102	47.2%	Asian	African American	Hispanic	Native American	Pacific Islander			
Actual Priority Hire Journey Worker Hours Percentage		19.7%	Caucasian Women	2	483	1.4%	1,670	5,516	6,108	915	3,313			
Priority Hire Journey Worker Hours Overall Average Requirement at 11%		19,043	Minority Men	67	17,522	51.3%	0	23	0	0	0			
Total Number of Journey Workers		688	Minority Women	1	23	0.1%	1,670	5,539	6,108	915	3,313			
Total Number Priority Hire Journey Workers		174	Subtotal Minorities	68	17,545	51.4%	4.9%	16.2%	17.9%	2.7%	9.7%			
% Priority Hire Journey Workers Hours by Race:							4.9%	16.2%	17.9%	2.7%	9.7%			
DEPARTMENT SUMMARY							PRIORITY HIRE							
Department	Buy	\$ Amount	Preferred Entry Hours	# Preferred Entry Workers	Journey Hours	Apprentice Hours	Labor Hrs	Journey Hours	No. Journey Workers	Apprentice Hours	No. Apprentice Workers	% Journey Rate	% Apprentice Rate	
Natural Resources & Parks														
Solid Waste Division	1	\$32,619,010	707	2	52,477	14,227	13,460	9,659	34	3,802	10	18.4%	26.7%	
Wastewater Treatment Division	5	\$156,824,053	2,806	5	120,643	22,385	32,397	24,471	140	7,926	33	20.3%	35.4%	
Departments Total	6	189,443,063	3,513	7	173,121	36,612	45,857	34,130	174	11,727	43	19.7%	25.6%	

[1]Priority Hire Worker means an apprentice or journey worker residing in an Economically Distressed Area who is prioritized for recruitment, training and employment opportunities on King County CWA projects.



## **Projects Subject to Priority Hire Program Requirements: “How” Priority Hiring Works**

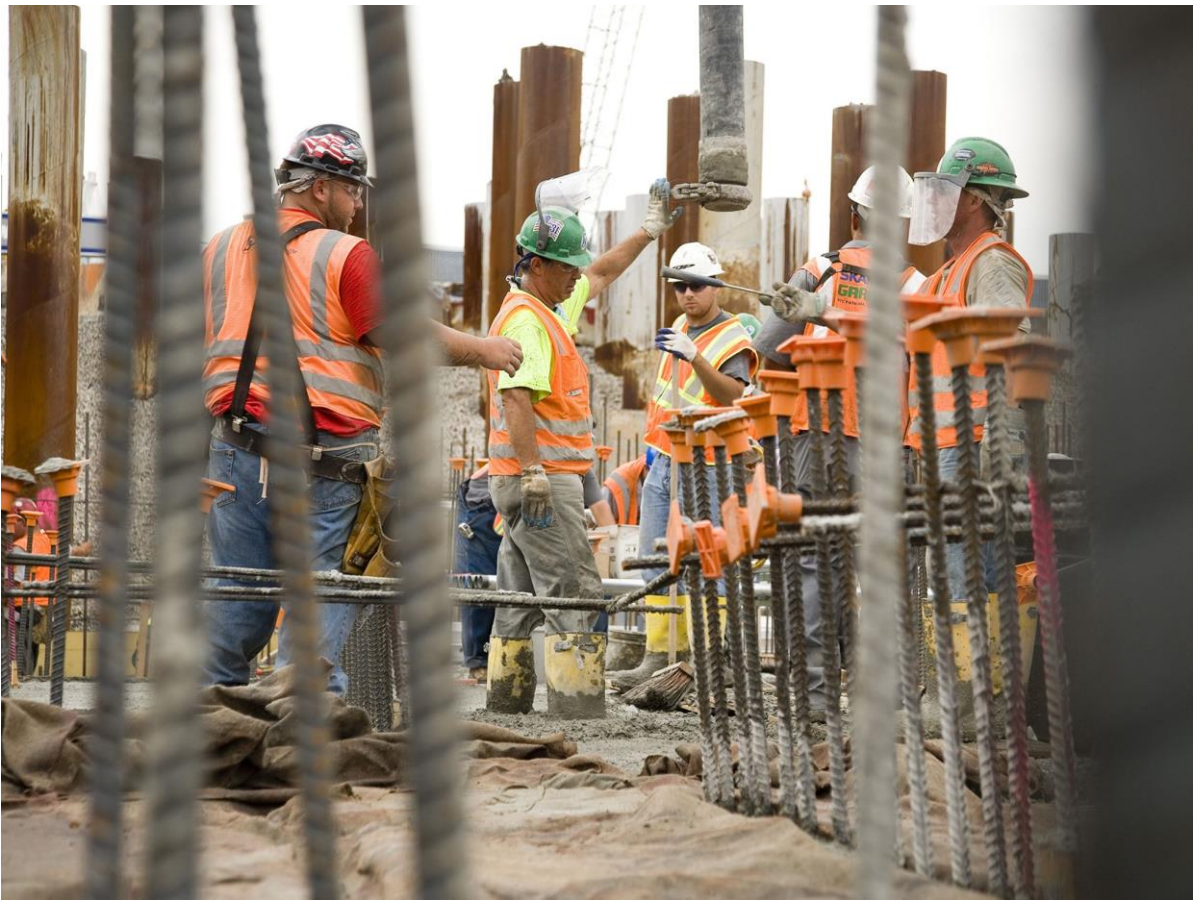
For King County capital construction projects with estimated costs of \$15 million dollars, a percentage of all labor hours are directed to individuals that reside in particular geographic areas that are considered as economically disadvantaged. These areas are designated by ZIP code and identified by the criteria involving poverty levels, unemployment and educational attainment. The County commissioned and completed two studies prior to implementing Priority Hire. The results of these studies identified 43 economically disadvantaged ZIP code areas. These ZIP codes are used to prioritize workers in the union dispatch process.

The County’s Priority Hire Program is implemented as part of Community Workforce Agreement (CWA). A CWA is an agreement between the County and various labor unions representing the building trades. It has the same purpose as a Project Labor Agreement (PLA) with the added component of priority hiring. The CWA establishes worksite conditions on a given project, including hiring requirements and methods for resolving labor disputes to prevent strikes or lockouts. Within the requirements of a CWA, contractors agree to use the union dispatch process for workers and the union agrees to dispatch Priority Hire workers ahead of other union workers in order to meet the contractor’s requirements relating to Priority Hire labor hours. The labor hour requirement for Priority Hire workers is set as a percentage of the total labor hours. For example, on three pilot projects, the percentage of Priority Hire journey worker hours was set at 10-12 percent of the total journey worker hours; and the percentage for Priority Hire apprentices was set at 5 percent of the total apprentice hours.

## **Master Community Workforce Agreement**

King County has been utilizing project specific CWA’s to implement the Priority Hire Program requirements. In the Priority Hire ordinance, the King County Council directed the Executive to negotiate and execute a Master CWA that is expected to create efficiencies in time and staff resources for the County, contractors and the unions. The Master CWA will:

- “Include terms and conditions for Priority Hire workers. The Executive or designee shall determine the percentage of labor hours to be performed by Priority Hire workers in each contract for a covered project;
- Require that twenty percent of apprentice labor hours on covered projects be performed by preferred entry candidates;
- Include provisions to ensure a respectful workplace that is inclusive and focuses on non-discrimination and anti-harassment behaviors and provides procedures for workers to address concerns;
- Include provisions to increase access for women-owned or minority-owned businesses, open shop contractors and Small Contractors and Suppliers (SCS), and expand placements for both open-shop and union apprentices;
- Include provisions for the recruitment, retention and mentoring of construction workers, including Priority Hire workers, and workers who reside in other areas of King County, as they advance from apprentice positions into journey-level positions.” (King County Code, Title 12.18A.020 Priority Hire Program created – Master Community Workforce Agreements)



## Preferred Entry Program

With the gap in the supply and demand of construction workers, King County and other public agencies in the region are investing heavily in pre-apprenticeship programs (See the Furthering Apprenticeship and Priority Hire section of this report.). The Preferred Entry program was created as another collaborative workforce development strategy that allows graduates of recognized pre-apprenticeship programs and Helmets to Hardhats veterans, preferred entry into an apprenticeship training program. The Preferred Entry program supports public dollar investment, as it provides individuals who successfully complete pre-apprenticeship program training and veterans an avenue for entry and placement into the industry. Additionally, the program facilitates a workforce reflective of the diversity of the County's population. The Preferred Entry program is implemented as part of the PLA and CWA.

Pre-apprenticeship programs, also known as apprenticeship preparation programs, provide individuals interested in a career in the construction trades industry with skills and knowledge that they would not have as a general applicant. The programs also provide access to a wide range of construction trades careers. Pre-apprenticeship curriculum provides basic math, safety training, analytical and physical skills training and assessment, as well as employability skills training. Individuals enrolled in pre-apprenticeship programs are also given work based learning exposure through construction job site visits, as well as hands-on trade specific experience through apprenticeship program visits. Pre-apprenticeship

provides a competitive edge for individuals to meet the minimum qualifications for apprenticeship programs and supports these individuals to score higher in the apprenticeship application process.

To support the development of a skilled construction workforce through pre-apprenticeship and Helmets to Hardhats, the Preferred Entry program is intended to change the entry process for apprenticeship opportunities by permitting successful pre-apprentice graduates and veterans to have preferential status in order to access an apprenticeship program. However, graduates of pre-apprenticeship programs must still meet the minimum requirements for the apprenticeship program to be able to utilize the benefits of the program.



In the County's current PLA/CWA's, "Contractors must ensure that one (1) of each five (5) apprentices (or 20%) of all apprentices hired on a project is from a state recognized pre-apprenticeship program." To count towards the preferred entry requirement, contractors must employ Preferred Entry program workers for a minimum of 700 hours.

Pre-apprenticeship programs that are eligible to utilize the Preferred Entry program for their pre-apprentice graduates are listed below:

- Apprenticeship and Nontraditional Employment for Women's (ANEW) Pre-Apprenticeship Construction Education (PACE)
- Apprenticeship and Nontraditional Employment for Women's (ANEW) Trades Rotation Program (TRP)
- Carpenters Pre-apprenticeship Program
- Cement Masons Pre-Apprenticeship Program
- Direct Access to Laborers Education and Careers (DALEC) Program
- Helmets to Hardhats
- Pacific Northwest Ironworkers Pre-Apprenticeship Program
- Seattle Central College, Pre-Apprenticeship Construction Training (PACT) Program
- Trades Related Apprenticeship Coaching (TRAC) Program
- TERO Vocational Training Center
- YouthBuild



In 2018, Preferred Entry program requirements applied to eight construction contracts. As shown in Table 2 - Preferred Entry Workers, five of eight contracts had participation from workers in the Preferred Entry program with the strongest participation coming from the CFJC project with 18 of 284 apprentices, which is 6.3 percent of all apprentice workers. The data contained in Table 2 also reveals that while apprenticeship utilization far exceeded the 15 percent overall goal for King County projects, the participation of pre-apprenticeship graduates and Helmets to Hardhats veterans in the Preferred Entry program is lower than the 1-in-5 or 20 percent requirement.

**Table 2 - Number of Preferred Entry Workers**

Contract Number	No. Preferred Entry Workers			# Apprentice Workers
	2017	2018	# Unique Workers	
C00863C13*	10	13	18	284
C00946C15				18
C00973C16				37
C01008C16	1	1	1	25
C01025C17		2	2	27
C01071C17				2
C01072C17		1	1	6
C01129C17*	2	2	3	43

The Priority Hire Ordinance includes provisions for preferred entry graduates to perform 20 percent of all apprentice labor hours on projects subject to a CWA and that these provisions be included in the Master CWA. This change is a shift from counting the number of preferred entry workers to establishing a specific percentage of all labor hours for the participation of these workers. This change permits flexibility for contractors to employ pre-apprenticeship graduates. King County has gathered input from the King County Priority Hire Advisory Committee regarding the minimum hours that a pre-apprentice graduate must work on a PLA/CWA project to fulfill the program

requirements. The report appendix includes the Committee's recommendations.





# LABOR EQUITY AND DIVERSITY

## Apprenticeship Diversity

Caucasian men continue to represent the largest number of apprentices and the highest percentage of all labor hours performed by male apprentices on King County construction projects, commanding 88,748 or 63 percent of all male apprentice labor hours worked in 2018.

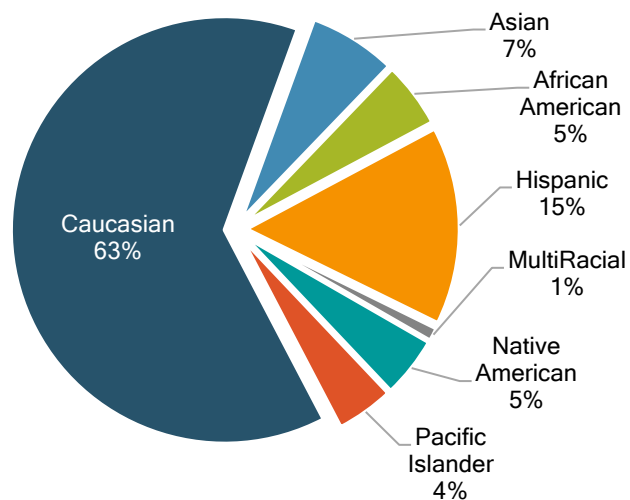
### Male Apprentice Participation Rates by Race

Apprentice participation rates for minority men represent 32.6 percent of all apprentice labor hours.

Participation rates for male apprentices by race is shown in the pie chart on this page.

Hispanic males represent the highest participation rate for minority male apprentice at 15 percent. Asian males comprise the second highest participation rate at 7 percent. African American and Native American males have participation rates of 5 percent followed by Pacific Islander males at 4 percent. Male apprentices who identify as multi-racial comprise 1 percent of the population of minority male apprentices.

Male Apprentices by Race



### Apprentice Diversity

See Table 3 - Apprentice Diversity – Numbers and Labor Hours by Group. For more details on apprentice rates by race and gender see the 2018 Apprenticeship Program General Summary Table in this report.

■ Asian ■ African American ■ Hispanic ■ MultiRacial  
■ Native American ■ Pacific Islander ■ Caucasian

In King County, employers in the construction industry added 4,200 jobs (5.7 percent) from 2017 to 2018. The rate of growth in construction has slowed as the recession ages. As early post-recession projects have reached completion, new projects continue to create jobs. The construction industry is expected to continue to experience high growth over the next several years, due to pent up demand during the recent recession coupled with high employment and population growth in the region.<sup>2</sup> The boom in the local construction industry is giving rise to a more diverse workforce as the skilled trades continue to

<sup>2</sup> Source: Employment Security Department

face a shortage of workers and apply recruitment and outreach efforts to those underrepresented in the industry to address it.



A shift in the workforce of contractors is shown below in Table 3 - Apprentice Diversity - Number by Labor Hours by Group. The data demonstrates notable achievements in the number of women apprentices and reported labor hours worked by this group. The data is reflective of changes in the workforce of contractors by group that report double digit shifts, such as the enormous 500 percent change in the number of labor hours worked by women on County construction projects in 2018 to 6,778 labor hours from 1,355 in 2017. Another notable achievement is an increase in the number of women apprentices employed by contractors on County projects over the prior program year. In 2018 the number of women apprentices climbed to 63 from 41 in 2017. This represents a 53.6 percent change in the number for women apprentice participating on county construction projects.

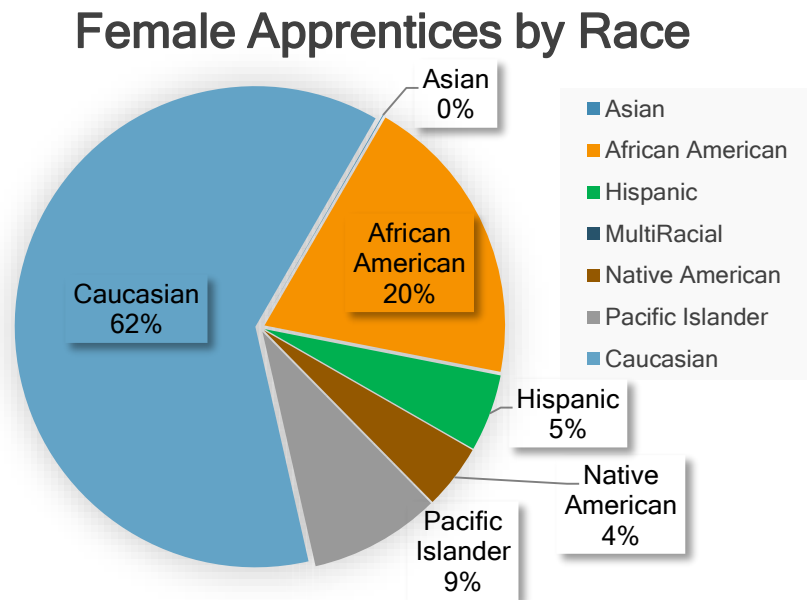
**Table 3 - Apprentice Diversity – Number by Labor Hours by Group**

Population	Number of Persons		% Change	Labor Hours		% Change
	2017	2018		2017	2018	
Caucasian Men	242	336	+38.8%	42,147	88,748	+111%
Minority Men	116	208	+79.3%	20,156	51,606	+156%
Minority Women	14	24	+71.4%	1,355	6,778	+400%
Caucasian Women	27	39	+44.4%	3,880	11,005	+184%

The overall apprentice participation rate for women rose to 11.4 percent in 2018 from 7.7 percent in 2017. This percentage of women apprentices in the County's program is significantly higher than nationwide participation trends. Nationally, women still make up about 3 percent of the apprentices in the construction workforce.

Women apprentices worked a total of 17,783 labor hours during the report period. Caucasian women made up the largest number of women apprentices with a total of 39 workers and 11,005 labor hours performed representing 62 percent of all labor hours worked by women apprentices. During the same period, minority women apprentices performed a total of 6,778 or 38 percent of all labor hours worked by female apprentices.

When the participation rates of women apprentices are examined by race, the figures indicate the challenges in recruiting and retaining minority women in the construction industry. In 2018, Caucasian women represent 62% of all female apprentices. Minority women apprentice rates are exceedingly lower: African American women represent 20 percent; Hispanic women 5 percent; Pacific Islander women 9 percent, and Native women 4 percent of all female apprentices.



#### Disabled Persons and Economically Disadvantaged Youth

Contractors did not report labor hours for the participation of apprentices identified as disabled or economically disadvantaged youth. Contractors can assess eligibility for members of these groups by talking directly to the apprentice to determine his or her qualification as a member of either group (economically disadvantaged youth or disabled persons). Contractors are generally reluctant to ask questions that probe into these sensitive areas to identify members of these groups. Although the data is speculative, anecdotal evidence supports this assumption. The number and labor hours for disabled persons and economically disadvantaged youth are included in data reported for other populations.

## Priority Hire Diversity

### Journey Worker Diversity on Priority Hire Projects

On Priority Hire projects, 688 journey workers performed 173,121 or 82.5 percent of all labor hours. As shown in Table 4 - Count of Journey Worker by Race, Hispanic journey workers represent the highest percentage of all minority journey workers on Priority Hire projects at 11.5 percent. In addition, Hispanic journey workers also performed the highest percentage of all minority journey worker labor hours at 22,506 or 13.0 percent. African American journey workers make up the next largest group at 4.2 percent; Asians at 2.9 percent; Native Americans at 2.3 percent and Pacific Islanders at 1.6 percent.

**Table 4 – Count of Journey Worker by Race**

<b>Count of Journey Workers: 688</b>	<b>Count of Journey Workers by Race</b>						<b>Total</b>
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	20	28	79	16	11	510	664
Female	0	1	0	0	0	23	24
<b>Total</b>	<b>20</b>	<b>29</b>	<b>79</b>	<b>16</b>	<b>11</b>	<b>533</b>	<b>688</b>
<b>% Journey Workers by Race</b>	<b>2.9%</b>	<b>4.2%</b>	<b>11.5%</b>	<b>2.3%</b>	<b>1.6%</b>	<b>77.5%</b>	<b>100.0%</b>

While African American journey workers represent the second largest group by count, Pacific Islander journey workers performed the second highest number of labor hours for all minority journey workers at 6.5 percent; African Americans at 4.4 percent; Native Americans at 2.3 percent and Asians at 2.0 percent.

In 2018, women journey workers made up 3.5 percent of all journey workers, performing 4.7 percent of all labor hours on Priority Hire projects. This number represents the disproportionate level of women construction workers across the nation and is in line with the national average. While there has been progress thanks to a rebounding economy, the Federal Bureau of Labor Statistics found that women represent only 3.4 percent, or about 285,000, of the nation's 8.3 million construction workers. While these numbers are low, the data in Table 5 - Journey Worker Hours by Race shows an increase in the share of labor hours performed by women apprentices. As these women apprentices complete their apprenticeships, there will be a corresponding increase in the performance of labor hours by women journey workers.

The data also shows that Caucasian women made up the largest number of women journey workers at 23 or 3.3 percent of all journey workers and 95.8 percent of all women journey workers on Priority Hire projects. At the same time, minority women journey workers are underrepresented at 1 or 0.1 percent of all journey workers or 4.2 percent of all women journey workers. Of these percentages, African American women journey workers are the only minority group represented on Priority Hire projects.



**Table 5 – Journey Worker Hours by Race**

<b>Total Journey Hours Worked: 173,121</b>	<b>Journey Worker Hours by Race</b>						<b>Total</b>
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	3,538	7,554	22,506	4,009	11,320	116,143	165,070
Female	0	23	0	0	0	8,028	8,051
<b>Total</b>	<b>3,538</b>	<b>7,577</b>	<b>22,506</b>	<b>4,009</b>	<b>11,320</b>	<b>124,171</b>	<b>173,121</b>
<b>% Journey Worker Hours by Race</b>	<b>2.0%</b>	<b>4.4%</b>	<b>13.0%</b>	<b>2.3%</b>	<b>6.5%</b>	<b>71.7%</b>	<b>100.0%</b>

**Priority Hire Journey Worker Diversity on Priority Hire projects**

When we examine the diversity of Priority Hire journey workers on Priority Hire projects, we find similar population participation for Priority Hire journey workers as compared to overall journey worker data. Table 6 – Count of Priority Hire Journey Workers by Race shows 174 of the 688 (25.3%) journey workers reside in Priority Hire ZIP codes. Similar to overall journey worker diversity, Hispanic Priority Hire journey workers represents the largest percentage of all Priority Hire journey workers at 35 or 20.1 percent. African American Priority Hire journey workers make up the next largest group at 9.2 percent; Asians at 4.6 percent; Native Americans at 3.4 percent and Pacific Islanders at 1.7 percent.

**Table 6 – Count of Priority Hire Journey Workers by Race**

<b>Count of Priority Hire Journey Workers: 174</b>	<b>Count of Priority Hire Journey Workers by Race</b>						<b>Total</b>
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	8	15	35	6	3	104	171
Female	0	1	0	0	0	2	3
<b>Total</b>	<b>8</b>	<b>16</b>	<b>35</b>	<b>6</b>	<b>3</b>	<b>106</b>	<b>174</b>
<b>% Priority Hire Journey Workers by Race</b>	<b>4.6%</b>	<b>9.2%</b>	<b>20.1%</b>	<b>3.4%</b>	<b>1.7%</b>	<b>60.9%</b>	<b>100.0%</b>

As shown in Table 7 - Priority Hire Journey Worker Hours by Race, Hispanic Journey Workers performed the highest percentage of labor hours for all minority Priority Hire journey workers at 6,108 or 17.9 percent. African American Priority Hire journey workers performed the second largest number of labor hours for all minority Priority Hire journey workers at 16.2 percent; Pacific Islanders at 9.7 percent; Asians at 4.9 percent; and Native Americans at 2.7 percent.

In 2018, Priority Hire women journey workers made up 1.7 percent of all Priority Hire journey workers, performing 1.5 percent of all Priority Hire labor hours. Caucasian women made up the highest number of Priority Hire women journey workers with a total of 2 or 1.1% of all Priority Hire journey workers and 66.7% of all Priority Hire women journey workers. These numbers repeat the pattern of participation rates by women journey workers.

**Table 7 – Priority Hire Journey Worker Hours by Race**

<b>Total Priority Hire Journey Hours Worked: 34,130</b>	<b>Priority Hire Journey Worker Hours by Race</b>						<b>Total</b>
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	1,670	5,516	6,108	915	3,313	16,102	33,624
Female	0	23	0	0	0	483	506
<b>Total</b>	<b>1,670</b>	<b>5,539</b>	<b>6,108</b>	<b>915</b>	<b>3,313</b>	<b>16,585</b>	<b>34,130</b>
<b>% Priority Hire Journey Worker Hours by Race</b>	<b>4.9%</b>	<b>16.2%</b>	<b>17.9%</b>	<b>2.7%</b>	<b>9.7%</b>	<b>48.6%</b>	<b>100.0%</b>

**Apprentice Worker Diversity on Priority Hire projects**

For Priority Hire projects, the apprentice participation rate was set at 15 percent across all projects. In 2018, apprentice participation exceeded the 15 percent requirement. Apprentices worked a total of 36,612 hours or 17.5 percent of all labor hours on covered projects.

When comparing apprentice participation rates by race for all projects subject to the Apprenticeship and Priority Hire Program requirements, similarities are observed in the minority participation rates on CWA covered projects at 40 or 35.7 percent of all apprentices as shown in Table 8 — Count of Apprentice Workers by Race. African American apprentices represent the highest percentage of all minority apprentices at 15 or 13.4 percent on Priority Hire projects. Hispanic apprentices represent the next largest group at 9.8 percent; Pacific Islanders at 7.1 percent; Native Americans at 3.6 percent; and Asians at 1.8 percent.

**Table 8 - Count of Apprentice Workers by Race**

<b>Count of Apprentice Workers: 112</b>	<b>Count of Apprentice by Race</b>						<b>Total</b>
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	2	11	10	2	6	58	89
Female	0	4	1	2	2	14	23
<b>Total</b>	<b>2</b>	<b>15</b>	<b>11</b>	<b>4</b>	<b>8</b>	<b>72</b>	<b>112</b>
<b>% Apprentice by Race</b>	<b>1.8%</b>	<b>13.4%</b>	<b>9.8%</b>	<b>3.6%</b>	<b>7.1%</b>	<b>64.3%</b>	<b>100.0%</b>

While African American apprentices is the largest group represented by count, Pacific Islander apprentices performed the highest percentage of all minority apprentice labor hours at 4,419 or 12.1 percent of all apprentice labor hours on Priority Hire projects. African Americans performed the second highest percentage of all minority labor hours at 8.1 percent; Asians at 8.0 percent; Hispanics at 6.4 percent; and Native Americans at 3.7 percent. See Table 9 - Apprentice Hours by Race.

Overall, minority apprentices have performed 38.1 percent of all apprentice labor hours being performed on projects with Priority Hire requirements compared to 36.9 percent of all apprentice labor hours being performed by minority apprentices across all projects subject to the apprenticeship program requirements. Asian males represent the highest percentage of all labor hours performed by minority apprentices on Priority Hire projects at 8.0 percent.

As shown in Table 8, women apprentices account for 20.5 percent of all apprentice participation on Priority Hire projects. Caucasian women apprentices represent the highest percentage of all women apprentice participation at 14 or 60.9 percent on Priority Hire projects. Likewise, minority women apprentices represent 8.0 percent of all apprentice participation and 39.1 percent of all women apprentice participation on Priority Hire projects. African American women apprentices account for 17.4 percent of all women apprentice participation, Pacific Islander and Native American both at 8.7 percent; and Hispanic at 4.3 percent. Asian women apprentices did not participate on Priority Hire projects in 2018. Moreover, women apprentice participation is higher than the nationwide participation rate of 3 percent.

Similarly to women apprentice participation rates on Priority Hire projects, women apprentices on Priority Hire projects performed 8,340 or 22.8 percent of all apprentice labor hours. As shown in Table 9 – Apprentice Hours by Race, women apprentice participation on projects subject to the apprenticeship program requirements performed 17,783 or 11.3 percent of all apprentice labor hours. Women apprentices participating on Priority Hire projects performed fewer labor hours than women apprentices on all projects subject to the apprenticeship program requirements. However, women apprentices on Priority Hire projects received more than twice the share or percentage of labor hours due to fewer total labor hours. By example, in 2018, the County’s Apprenticeship program produced 778,018. During the same period, projects with Priority Hire requirements that were covered by a CWA generated a total of 209,733 labor hours.

When we examine women apprentice hours by race, some women minority groups performed more hours than their male counterparts. African American women apprentices performed the highest percentage of all minority women labor hours at 2,057 or 24.7 percent. This percentage is more twice the share apprentice labor hours performed by African American men. Pacific Islanders performed the second largest percentage for all minority women labor hours at 18.6 percent; Native Americans at 5.6 percent; and Hispanics at 0.3 percent. Asian women apprentices did not perform any labor hours on Priority Hire projects.

**Table 9 – Apprentice Hours by Race**

<b>Total Apprentice Hours Worked: 36,612</b>	<b>Apprentice Hours by Race</b>						<b>Total</b>
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	2,926	907	2,307	874	2,868	18,391	28,272
Female	0	2,057	24	464	1,551	4,244	8,340
<b>Total</b>	<b>2,926</b>	<b>2,964</b>	<b>2,331</b>	<b>1,338</b>	<b>4,419</b>	<b>22,635</b>	<b>36,612</b>
<b>% Apprentice Hours by Race</b>	<b>8.0%</b>	<b>8.1%</b>	<b>6.4%</b>	<b>3.7%</b>	<b>12.1%</b>	<b>61.8%</b>	<b>100.0%</b>

### **Priority Hire Apprentice Diversity on Priority Hire projects**

When we examine the diversity of Priority Hire apprentices on Priority Hire projects, we find increased diversity amongst apprentices from Priority Hire ZIP codes. On Priority Hire projects, Table 10 – Count of Priority Hire Apprentice Workers shows 43 of the 112 (38.4%) apprentices were from Priority Hire ZIP Codes. African American Priority Hire apprentices represent the largest percentage of all Priority Hire apprentice hours on Priority Hire projects at 11 or 25.6% of all Priority Hire apprentices. Hispanic Priority Hire apprentices comprise the next largest group at 16.3%; Pacific Islanders at 9.3%; Native Americans at 4.7% and Asians at 2.3%.

**Table 10 – Count of Priority Hire Apprentice Workers**

Count of Priority Hire Apprentice Workers: 43	Count of Priority Hire Apprentice by Race						Total
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	1	8	6	1	2	11	29
Female	0	3	1	1	2	7	14
<b>Total</b>	<b>1</b>	<b>11</b>	<b>7</b>	<b>2</b>	<b>4</b>	<b>18</b>	<b>43</b>
<b>% Priority Hire Apprentice by Race</b>	<b>2.3%</b>	<b>25.6%</b>	<b>16.3%</b>	<b>4.7%</b>	<b>9.3%</b>	<b>41.9%</b>	<b>100.0%</b>

While African American Priority Hire apprentices represent the largest percentage by count, Pacific Islander Priority Hire apprentices performed the highest percentage of labor hours on the project for all minority Priority Hire apprentices at 2,858 or 24.4 percent of all labor hours as shown in Table 11 – Priority Hire Apprentice Hours by Race. Asian Priority Hire apprentices performed the second largest number of labor hours on the project for all minority Priority Hire apprentices at 14.5 percent; African Americans at 13.2 percent; Hispanics at 11.6 percent; and Native Americans at 3.7 percent.

In 2018, Priority Hire women apprentices comprised 32.6 percent of all Priority Hire apprentices, performing 5,296 or 45.2 percent of all Priority Hire labor hours on Priority Hire projects. As shown in tables 10 & 11, when we look at Priority Hire women apprentices by race, Caucasian women represent the largest percentage of Priority Hire women apprentices at 7 or 16.3 percent and the largest percentage of Priority Hire women apprentices at 7 or 50 percent. African American women represent the second highest percentage of Priority Hire women apprentices at 21.4 percent; Pacific Islanders at 14.3 percent; and Hispanics and Native Americans both at 7.1 percent. Asian women apprentices are not reported in the data for Priority Hire projects.

**Table 11 - Priority Hire Apprentice Hours by Race**

Total Priority Hire Apprentice Hours Worked: 11,727	Priority Hire Apprentice Hours by Race						Total
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	1,704	114	1,333	228	1,307	1,748	6,432
Female	0	1,435	24	18	1,551	2,268	5,296
<b>Total</b>	<b>1,704</b>	<b>1,549</b>	<b>1,357</b>	<b>246</b>	<b>2,858</b>	<b>4,015</b>	<b>11,727</b>
<b>% Priority Hire Apprentice Hours by Race</b>	<b>14.5%</b>	<b>13.2%</b>	<b>11.6%</b>	<b>2.1%</b>	<b>24.4%</b>	<b>34.2%</b>	<b>100.0%</b>

### Combined Priority Hire Worker Diversity on Priority Hire Projects

Tables 12 - Combined Priority Hire Journey and Apprentice Count by Race, and Table 13 - Combined Priority Hire Journey and Apprentice Hours by Race, show the results of both Priority Hire journey workers and Priority Hire apprentices to illustrate the overall 2018 performance of Priority Hire workers on projects with priority hiring requirements. Minority Priority Hire workers represented 42.9 percent of participation amongst Priority Hire workers and performed 55.1 percent of the labor hours performed by Priority Hire workers.

Hispanic Priority Hire workers represents the largest percentage of minority Priority Hire workers at 42 or 19.4 percent performing the highest percentage of labor hours at 16.3 percent. African American's make up the second largest percentage for minority Priority Hire worker participation at 12.4 percent; Asians at 4.1 percent; Native Americans at 3.7 percent and Pacific Islanders at 3.2 percent.



**Table 12 – Combined Priority Hire Journey and Apprentice Count by Race**

<i>Count of Priority Hire Workers: 217</i>	Count of Priority Hire Workers by Race						Total
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	9	23	41	7	5	115	200
Female	0	4	1	1	2	9	17
<b>Total</b>	<b>9</b>	<b>27</b>	<b>42</b>	<b>8</b>	<b>7</b>	<b>124</b>	<b>217</b>
<b>% Priority Hire Workers by Race</b>	<b>4.1%</b>	<b>12.4%</b>	<b>19.4%</b>	<b>3.7%</b>	<b>3.2%</b>	<b>57.1%</b>	<b>100.0%</b>

African Americans performed the second largest percentage of labor hours among Priority Hire workers at 15.5 percent; Pacific Islanders at 13.5 percent; Asians at 7.4 percent and Native Americans at 2.5 percent.

When evaluating Priority Hire women on Priority Hire projects, Caucasian women perform almost half of all women Priority Hire labor hours at 2,751 or 47.4 percent; Pacific Islanders at 26.7 percent; African Americans at 25.1 percent; Hispanics at 0.4 percent; Native Americans at 0.3 percent. Asian women Priority Hire workers did not perform on Priority Hire projects.

**Table 13 – Combined Priority Hire Journey and Apprentice Hours by Race**

<i>Total Priority Hire Hours Worked: 45,857</i>	Priority Hire Worker Hours by Race						Total
	Asian	African American	Hispanic	Native American	Pacific Islander	White/Other	
Male	3,373	5,629	7,441	1,143	4,620	17,849	40,055
Female	0	1,458	24	18	1,551	2,751	5,802
<b>Total</b>	<b>3,373</b>	<b>7,087</b>	<b>7,465</b>	<b>1,161</b>	<b>6,171</b>	<b>20,600</b>	<b>45,857</b>
<b>% Priority Hire Worker Hours by Race</b>	<b>7.4%</b>	<b>15.5%</b>	<b>16.3%</b>	<b>2.5%</b>	<b>13.5%</b>	<b>44.9%</b>	<b>100.0%</b>

# PROGRAMS ECONOMIC IMPACT

## Apprenticeship Program

King County's apprenticeship program offers paid training together with jobs. The program requires prime contractors to employ apprentices on select County-funded construction projects. The required percentage of the total labor hours that apprentices must perform varies with the type of project. Previous research on the economic impact of construction apprenticeship programs finds that apprenticeships boost earnings of workers with low levels of education by 5 percent to 18 percent. Participants earn \$123,906 more in wages & benefits over careers than similar nonparticipants and have reduced probability of suffering long-term unemployment.<sup>3</sup> As an economic strategy for fostering family wage jobs, King County's apprenticeship program has been successful in providing access and opportunity to family wage jobs for people seeking job training while also earning a family wage.

## The Prevailing Wages on Public Works Act

The Washington State Public Works Act, also known as the "prevailing wage law," is a worker protection act. It requires that workers be paid prevailing wages when employed on public works projects, on public building service maintenance contracts, and on certain work involving public contracts to rent, lease or purchase private buildings.<sup>4</sup> The employees, not contractors or employers, are the beneficiaries of the Act.

Prevailing wage is the hourly wage, usual benefits and overtime, paid in the largest city in each county, to the majority of workers, laborers, and mechanics performing the same work. Prevailing wages are established by the Washington state Department of Labor and Industries for each trade and occupation employed in the performance of public work. The prevailing rate of wage is established separately for each county and reflects local wage conditions.<sup>5</sup>

All contractors performing public works projects are required to pay prevailing wages.

Apprentices are defined as those workers for whom an apprenticeship agreement has been registered and approved by the state apprenticeship council. Under this law, any "helper" or other type of assistant who is not registered with the Washington State Apprenticeship and Training Council (WSATC) is to be considered a fully qualified journey level worker and must be paid the full journey-level wage. Workers registered with the WSATC are entitled to the prevailing wage rates for an apprentice of that trade.

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<sup>3</sup> Source: Mathematica Policy Research (2012):

<sup>4</sup> Reference: RCW 39.04.010, RCW 39.04.260, RCW 39.12.010, RCW 39.12.020, RCW 39.12.030 and WAC 296-127-010.

<sup>5</sup> Reference: RCW 39.12.010 and RCW 39.12.015

Population	Wages	
	Male	Female
Asian	\$290,934.52	\$284.05
African American	\$225,982.97	\$108,261.91
Hispanic	\$669,049.33	\$23,726.29
Multi-Racial	\$57,093.90	\$0.00
Native American	\$205,405.29	\$22,300.11
Pacific Islander	\$192,833.92	\$39,551.39
White	\$3,044,150.21	\$321,408.84
<b>Total Wages:</b>	<b>\$4,685,450.14</b>	<b>\$515,532.59</b>

**Table 14A - 2018 Total Wages earned by Registered Apprentices by Race and Gender**

In 2018, apprentice wages on King County projects totaled \$5.2 million dollars. Table 14A - 2018 Total Wages earned by Apprentices by Race and Gender, provides a data on the total amount of wages paid to registered apprentices by race and gender on all King County projects subject to the apprenticeship requirements during the report period.

Caucasian workers represent the largest share of apprentice wages, accounting for 65%. Minority apprentice wages account for 35% of all apprentice wages paid.



**Table 15A - 2018 Average Hourly Wages earned by Registered Apprentices by Race and Gender**

Population	Wages	
	Male	Female
<b>Asian</b>	\$33.61	\$29.90
<b>African American</b>	\$32.49	\$34.78
<b>Hispanic</b>	\$31.57	\$27.52
<b>Multi-Racial</b>	\$39.17	\$0.00
<b>Native American</b>	\$33.44	\$33.34
<b>Pacific Islander</b>	\$33.05	\$31.27
<b>White</b>	\$35.55	\$32.40

Table 15A – 2018 Average Hourly Wages earned by Registered Apprentices by Race and Gender provides a breakdown of the average hourly wage earned by registered apprentices by race and gender on all King County projects subject to the apprenticeship requirements during the report period.

The top earning hourly rate for men is the multi-racial category, averaging nearly \$40 dollars an hour. Male and female Caucasian apprentices earn the second highest average hourly wages. The top earning average hourly wage for female registered apprentices is African American women apprentices, earning an average hourly wage nearing \$35 an hour.





## Priority Hire Program

The Priority Hire Program is an equity, workforce and economic development strategy. In measuring the effectiveness of the Priority Hire Program, we looked at wages earned by Priority Hire workers to determine the program's direct economic impact to workers living in Priority Hire ZIP Codes. Wages earned by these workers are being brought back into their communities. In 2018, Priority Hire workers earned approximately \$1.9 million in wages on Priority Hire projects. Table 14B – Total Wages earned by Priority Hire Workers, shows that men Priority Hire journey workers earned the highest total dollar amount of all Priority Hire workers at \$1.5 million. In contrast, both women Priority Hire apprentices and journey workers earned the lowest total dollar amount of all Priority Hire workers.

**Table 14B – Total Wages earned by Priority Hire Workers**

Population	Wages			
	PH Apprentice		PH Journey	
	Male	Female	Male	Female
Asian	\$57,896.88	\$0.00	\$78,308.26	\$0.00
African American	\$2,894.01	\$45,418.05	\$228,824.35	\$982.33
Hispanic	\$39,111.00	\$536.64	\$265,382.71	\$0.00
Native American	\$7,200.85	\$447.84	\$38,548.80	\$0.00
Pacific Islander	\$57,994.20	\$39,143.12	\$143,226.59	\$0.00
White	\$48,819.57	\$63,904.17	\$716,239.81	\$21,442.60
<b>Total Wages:</b>	<b>\$213,916.51</b>	<b>\$149,449.82</b>	<b>\$1,470,530.52</b>	<b>\$22,424.93</b>

**Table 16B – Average Hourly Wages earned by Priority Hire Workers**

Population	Average Hourly Wage			
	PH Apprentice		PH Journey	
	Male	Female	Male	Female
<b>Asian</b>	\$35.38	\$0.00	\$46.58	\$0.00
<b>African American</b>	\$26.51	\$41.37	\$49.92	\$42.71
<b>Hispanic</b>	\$33.68	\$22.36	\$45.97	\$0.00
<b>Native American</b>	\$35.86	\$24.88	\$47.03	\$0.00
<b>Pacific Islander</b>	\$47.43	\$31.46	\$47.80	\$0.00
<b>White</b>	\$32.91	\$32.88	\$49.91	\$48.03



***\$1.9 Million in Wages Earned by  
Priority Hire Workers in 2018***

# FURTHERING APPRENTICESHIP AND PRIORITY HIRE

## King County Investments

To meet the needs of King County's Apprenticeship and Priority Hire Programs, King County invests in pre-apprenticeship training and worker navigation and support services.

In 2018, King County partnered with two of its Regional Public Owners (RPO) group members, the City of Seattle and Port of Seattle, to jointly issue an RFP for construction pre-apprenticeship training and support services. This resulted in \$2.1 million in multi-jurisdictional investment for 2018-19. For 2018-19, King County is investing \$200,000 in Seattle Central Colleges, Pre-Apprenticeship Construction Training (PACT) program, a pre-apprenticeship program that assists individuals into a construction trades career pathway by providing outreach, recruitment and enrollment



services, pre-apprenticeship training, placement and retention services. The goal of the investment is to increase the number of women, people of color and those from economically distressed areas that enter and retain careers in construction apprenticeships or construction employment. In 2018, the PACT program administered one King County funded cohort. Below are the outcomes of the first cohort investment:

- 24 students were screened and referred by Seattle Goodwill (subcontractor)
- Of the 24 students screened, 18 students were enrolled in the 11-week PACT program
- 17 of the 18 students enrolled remained in the program after the 10<sup>th</sup> day of registration
- 16 students earned at least 4 construction industry credentials in the following areas:
  - First Aid/CPR
  - Occupational Safety and Health Administration 10 card (OSHA 10)
  - Washington State Flagger's Certification
  - Forklift Operation & Certification
- 16 or 89% of enrolled students successfully graduated from the PACT program
- 12 or 75% of graduates were placed into construction employment earning an average amongst workers placed of \$24.22 per hour
- Retention data is not yet available as workers were placed in Q4 of 2018 or Q1 of 2019



### **Office of Port Jobs for the Apprenticeship Opportunities Project (AOP)**

In 2018, King County provided \$25,000 in funding to the Office of Port Jobs for the Apprenticeship Opportunities Project (AOP) that is administered by Apprenticeship and Nontraditional Employment for Women (ANEW). AOP provides employment-related services to King County residents. Our investment focused on the White Center/Boulevard Park neighborhood, as represented by ZIP codes 98106, 98168 and 98046. This investment supports access to jobs in the skilled trades for under-represented communities.

King County provides support for the AOP as part of its contract with Port Jobs to recruit low-income residents from the White Center and Skyway unincorporated communities into apprenticeship opportunities. Port Jobs partners with ANEW to provide AOP's services with their pre-apprenticeship training program. ANEW is one of the oldest pre-apprenticeship programs serving women in the nation. ANEW partners with over 17 apprenticeship programs in the Puget Sound region.

During the report period, AOP placed 104 people in apprenticeships and 62 family wage jobs, for a total of 166 placements. Forty (40) individuals were placed who live in the designated ZIP codes that overlap the County's Priority Hire ZIP Codes. The top three apprenticeship placements by trade were carpenters, electricians and laborers. Other trade placements included cement masons, glazier, painters, and flaggers. The six-month apprentice retention rate is 73 percent, and 100 percent for people place in family wage jobs who were eligible for 6-month retention and where placement status is known.

In addition, AOP provides support services including case management and financial assistance for items associated with retaining a trades-related job. Other services include one-to-one personalized assistance on resumes, interviewing skills, job and apprenticeship applications; links to livable wage construction job postings and current apprenticeship openings, and direct connections to employers looking for qualified applicants. In 2018, AOP disbursed support services to 84 people. During the same period, ANEW held orientations for upcoming cohorts at various King County libraries. ANEW continues to offer retention services to clients for two years, resulting in increased retention for pre-apprenticeship graduates.

In managing the AOP program, ANEW has established an effective process to provide supportive services, and the County is looking into ways to continue supporting this program.



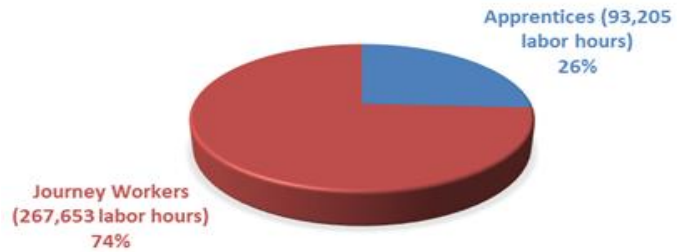
## Successes and Challenges

### Successes

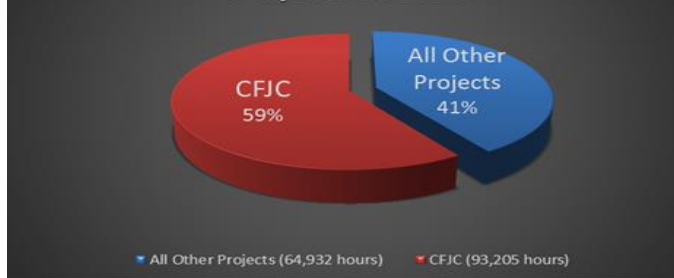
#### The CFJC Project: A major contributor to record-setting numbers in 2018

The CFJC project had an enormous positive impact the County's overall apprenticeship utilization rate in 2018. This project is the chief contributor to the record-setting numbers identified in this report. During the report period, the CFJC employed 284 apprentices who collectively performed a

#### 2018 TOTAL LABOR HOURS ON CFJC



#### Total Apprentice Labor Hours on King County Projects in 2018



total of 93,205 apprentice labor hours, representing 25.8 percent of all labor hours worked on the project, and more than half (59 percent) of all apprentice hours performed on projects subject to the apprenticeship requirements in 2018. The positive impact that the CFJC project has had on the County's overall apprenticeship utilization rate demonstrates that large capital construction projects provide excellent opportunities to employ apprentices. The duration, dollar

amount, and labor requirements for these types of projects will continue to provide opportunities for access to family wage jobs in King County.



Photo: King County Children and Family Justice Center

## Regional Collaboration and Resources

King County's collaboration with other local and state agencies through the Regional Public Owners (RPO) group has led to discussions and development of a work plan, and in 2018, an inter-local agreement between agencies, to address the challenge of increased demand for apprentices statewide and the entry of women and minorities into the construction trades. The RPO is working collaboratively to align priorities across these agencies for the purpose of leveraging and funding effective practices. These practices focus on increasing the entry and retention of diverse workers into the apprenticeship pipeline, which includes pre-apprenticeship and apprenticeship training programs that can provide outreach, recruitment, and training to qualified individuals.

King County is continuing to participate in the Regional Pre-Apprenticeship Collaborative (RPAC). The RPAC has a focus on addressing issues such as barriers to employment for women and minority apprentices and actions that connect pre-apprenticeship and apprenticeship program graduates to employment. The RPAC has progressed steadily this past year, creating a charter, by-laws, and committees to drive the mission and direction of the collaborative, to include transitioning to a non-profit organization. Meetings include graduates from pre-apprenticeship and apprenticeship programs who are present to speak about their actual experience in navigating the apprenticeship system. A goal of RPAC is to bring together training programs, community based organizations, labor, contractors and others with an interest in outreach, recruitment, training, and support for persons entering construction apprenticeship programs. The RPAC identifies ways of removing barriers so that qualified individuals can enter the construction industry. The RPO group mentioned above is engaged in this collaborative. Both groups are working in coordination to address the challenges for increasing the diversity of workers in the construction trades and responding to the construction workforce shortage.

## Challenges

### Recruitment and Retention of Apprentices

The recruitment and retention of construction workers continues to be a challenge, especially for women and people of color. Undertaking successful recruitment and retention efforts requires a clear understanding about why people enter and exit the construction workforce pipeline.

#### Women Apprenticeship Challenges

Providing support for women when entering a predominantly male environment before it is fully inclusive requires a cultural shift. Orienting women apprentices to prepare to navigate cultural elements of their new work environment is important to provide a realistic picture of the trade and assurance that gender is not a determinant of success. A means to capture and resolve challenges faced by apprentices and to encourage their continued participation in the industry is an ongoing effort for King County and other jurisdictions. While all apprentices experience these challenges to some degree, they seem to be especially common for women.

Recruitment of Women. Recruiting more women into the trades is a key challenge to address, beginning in the high schools.

Satisfactory Training and Job Assignments. Many women apprentices have an unclear understanding of the skills progression they are expected to learn on the job as they may not receive the same skill-level assignments or continuity of training as their male counterparts. As a result, women



apprentices who attain journey-level status without the requisite skills find that they are less employable at the end of their apprenticeships.

**Unstable Employment.** Unemployment is a fact in the construction trades. Journey-level women are more often the first to be laid off, compounded by the lack of accountability for on-the-job-training that is necessary to be employable in the job market.

**Absence of Women in Leadership Positions.** There is a need for more women in leadership positions on jobsites, in apprenticeship programs and unions.

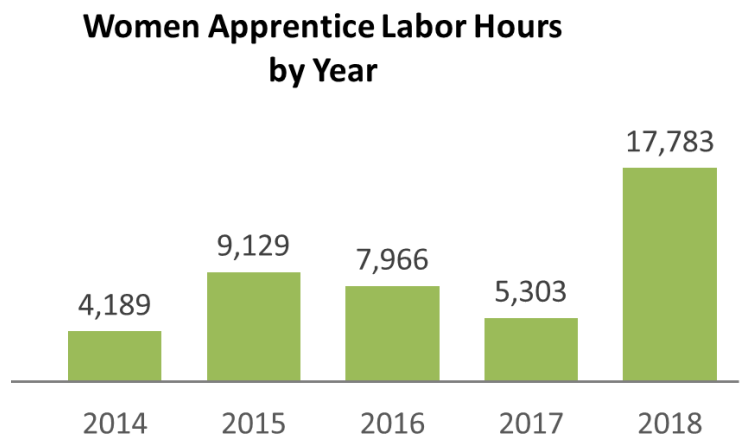
**Lack of Mentors and Support Systems.** Support systems are needed for women apprentices to include mentoring opportunities and information sharing about how to negotiate the apprenticeship system.

**Deficiency of Family Workplace Policies.** Childcare is a significant challenge for women apprentices with young children, due to costs and hours of operation that do not fit long construction work hours.

Retention of women in the construction industry is important to success. The number of women who have been recruited to the trades and who have received training and achieved entry level status is much higher than the number who have stayed in the trades and made it a career. The chart on this page titled, “Women Apprentice Labor Hours by Year,” provides a look at the 5-year trend for the participation of women apprentices on King County construction projects that include apprenticeship requirements.

Generally, resources spent on recruitment efforts outweigh those spent on retention. Addressing this challenge requires funding and a dual emphasis on both initial training and ongoing retention in order to ensure the advancement of women in the construction industry.

#### **Women Apprentices Participation, 5-Year Trend**



### **Work order contracts**

This project deliver method is unique when compared to other project delivery methods and can be a barrier for the use of apprentices because the exact scope of work is unknown upfront and therefore, the contractor is unable to identify elements of the work for apprentices. In addition, the required numeric ratio of apprentices to journey-level workers within the trades, and a relatively short work duration that is common for individual job orders issued under the work order contract, translate to a limited number of apprentice training hours for this project delivery method. These factors are a challenge for contractors in achieving the required level of apprenticeship participation for these types of contracts.

In 2018, the County awarded 6 work order contracts that included requirements for the use of state registered apprentices. Contractors' employed a total of 29 apprentices on these contracts. The required apprenticeship rate for these 6 work order contracts is 6.8 percent. The actual apprenticeship rate attained by contractors for these projects is 4.7 percent. The contract value for these 6 work order contracts range from five-hundred thousand dollars to 21 million dollars. The contract duration range is 12 to 16 months. If the number of work order contracts increases substantially in the future relative to other forms of contracting, the County may begin to experience a corresponding decrease in apprenticeship on projects that include these requirements unless other counter-measures are enacted by the County.

The work order project delivery method is correlated to lower apprenticeship participation rates for the reasons stated above. There is an opportunity for the County to collaborate with contractors and learn how apprentices could be provided more opportunities on work order contracts.





## Upcoming CWA covered projects

In 2019, King County will implement Priority Hire on projects estimated at \$15 million or above through the Community Workforce Agreement (CWA), an executed agreement between King County and the Seattle-King County Building Trades Council, the Northwest National Construction Alliance II and other labor organizations that lays out the terms and conditions for each covered project. Below is a list of anticipated CWA covered projects that will include the Priority Hire Program requirements. Anticipated dates are only approximations.

### Q1 2019 Projects – Project Specific Community Workforce Agreements

- Eastside Interceptor Section 2 Rehabilitation - \$29 million
- South Interim Base Project - \$23 million

### Future Upcoming Projects

2019

- Lake Hills Interceptor Corrosion Rehab - \$18 Million
- Lower Russell Levee Setback Project - \$25 Million

2020

- Algona Transfer Station - \$133 Million
- Central Maintenance Facility - \$28 Million
- Chelan Ave CSO - \$63 Million
- Eastlake Sammamish Trail South Sammamish B - \$25 Million
- Jameson Building Replacement - \$26 Million
- Lake Hills and NW Lake Sammamish Interceptor Upgrade - \$67 Million
- North Lake Sammamish Flow Diversion - \$39 Million
- North Mercer Island and Enatai Interceptors Upgrade - \$60 Million
- West Point Primary Sedimentation Area Roof Structure - \$37 Million



# APPENDIX

## King County Priority Hire Advisory Committee Recommendations

In 2018, the King County Council created a King County Priority Hire Advisory Committee consisting of twelve members to be appointed by the Executive and Confirmed by the Council, to operate in an advisory role to King County for implementation and effectiveness of the Priority Hire Program. The membership of the Committee includes representatives with experience in the construction industry from: contractors, the Associated General Contractors of Washington, labor union representatives, small contractor and supplier businesses, pre-apprentice and apprentice training providers, and local community and business organizations. The Committee was formed to advise the Department of Executive Services, Finance and Business Operations Division on planning, and to provide input prior to the development of the master community workforce agreement administration and reporting. The Committee consists of the following twelve members:

- Monty Anderson, Seattle – King County Building Trades Council
- Karen Dove, Apprenticeship and Nontraditional Employment for Women (ANEW)
- Sonja Forster, Associated General Contractors of Washington
- Michael J. Fox, Retired Judge
- Leanne Guier, Local 32 Plumbers and Pipefitters
- Michelle Helmholz, Laborers Local 242
- Dave Johnson, Hoffman Construction
- Jason Nakamura, 1 Alliance Geomatics
- Larry Nettekoven, Heat, Frost Insulators and Allied Workers Joint Apprenticeship and Training Committee
- Melinda Nicholas, AAI Grant Consultant
- Krishna Richardson-Daniels, Seattle Colleges Pre Apprenticeship Construction Training (PACT)
- Halene Sigmund, Construction Industry Training Council of Washington (CITC)

The Committee began meeting in November 2018 and have developed recommendations for the Master Community Workforce Agreement (CWA). Below are the Committee's Master CWA Recommendations by topic area.

### 1. Preferred Entry

The Committee recommends lowering the minimum number of labor hours worked by preferred entry candidates from 700 to 350 hours on King County's covered project or 700 hours employed with the Contractor. The Committee has determined that the current way that preferred entry is being implemented does not work to achieve the intended outcomes. The Committee recommends that King County shall collect data on Priority Hire and Preferred Entry utilization and retention. The Committee further notes that King County should acknowledge successful Contractors on those

projects that hire preferred entry and offer assistance to help stakeholders to better understand how preferred entry works and its benefits.

## **2. Include provisions for the recruitment, retention and mentoring of construction workers**

The Committee recommends that King County establish a fund to support increased recruitment, retention and mentoring of workers. The fund should be managed by King County, but distribution of funds would be by recommendation of a voluntary community board. The fund would be a mechanism to support pre-apprenticeship and organizations that do recruitment, outreach, mentoring and retention. The Committee recommends that King County take a leadership role on developing a mentorship program with partners that reflects the needs of the construction industry. The Committee also recommends implementing general guidelines regarding such a fund:

- Funds should be collected/distributed upfront, but not collected by the Contractors. It causes an administrative burden for Contractors
- Maintain accountability for outcomes: develop measures for what needs to be done, considering best practices and innovative ideas
- Pay for performance outcomes, for example: removing barriers to increase entry and retention of workers: child care, transportation, tools
- Funding idea: A percentage of annual dollars for all King County construction projects

## **3. Respectful Worksite Language**

The Committee recommends keeping language regarding a respectful worksite in King County's purview by including it in its contracts and be responsible for addressing all issues arising from the use of this language. The language should be gender neutral. CWA provisions should reference that this language is included in King County contracts.

## **4. Dual Benefit Reimbursement**

The Committee recommends that King County implement a dual benefit reimbursement program to reimburse usual benefits that uses an efficient process and streamlined forms for reimbursement that is directly from King County to Contractors. Reimbursement must be made within ten days of receipt of reimbursement request.

## **5. Core Workers**

The Committee recommends allowing three core workers upfront for open-shop Contractors/Subcontractors working on covered projects. The Committee also recommends an exemption for core workers working for Contractors/Subcontractors that are in their first three years of business from the minimum hours and active payroll requirements. The exemption will allow new Contractors/Subcontractors to develop their workforce. Journey Level workers must still meet the skills qualifications to be considered a core worker.

## **6. Open-Shop Apprentices**

While apprentices are not considered core workers by definition, the Committee recommends adding language that allows open-shop Contractors to bring recognized WSATC program apprentices provided that the allowable ratio by craft is followed.

## **7. Increase access for women-owned or minority-owned businesses, open shop contractors and small contractors and suppliers**

The Committee recommends that King County establish a fund that supports organizations that provide resources and capacity building for small business owners to address access and assistance barriers that are experienced by small businesses. The Committee also recommends simplifying processes, including paperwork and reporting.

The Committee recommends that no group be exempted from the Priority Hire requirements. The Committee recommends that Priority Hire percentages should take into consideration MWBE goals/percentages on specific contracts.

## **Glossary of Terms**

### **Apprentice**

A person who has signed a written Apprenticeship Agreement and enrolled in a training program approved by the Washington State Apprenticeship and Training Council to learn a skilled craft or trade.

### **Apprentice Hiring Goal(s)**

The specific goals established by the County for persons with disabilities, economically disadvantaged youth, women and minorities to participate as apprentices on County public work contracts. The goals are a percent of the Apprentice Utilization Requirements for the Contract.

### **Apprenticeship Program and Requirements**

The County's plan for administering King County Code 12.16.155-180 and setting forth compliance requirements for Apprentice Utilization on County public work contracts. All actions required by the contractor as defined by King County Code 12.16.155-180 and the contract language for specific King County contracts.

### **Apprentice Utilization Requirements**

The overall percentage of labor hours established for the Contract for work by apprentices. The requirement is a percentage of the total labor hours for the Contract.

### **Best Efforts**

The strongest possible efforts that Contractors can reasonably make to meet the Apprentice Utilization Requirements and the Apprentice Hiring Goals established for each public works contract selected for participation in the Apprenticeship Program.

### **Community Workforce Agreement**

The agreement executed between King County and labor unions that represent the trades and crafts that have workers who typically perform on County public works projects.

### **Economically Disadvantaged Youth**

Those persons (18-24 years old) whose annual family income does not exceed the income guidelines for the Federal Free and Reduced Lunch Program, and who have significant barriers to employment, as defined by the Federal Job Training Partnership Act (JTPA).

### **Journey-Level Worker**

An individual who has sufficient skills and knowledge of an occupation, either through a formal Apprentice Training Program or through practical on-the-job work experience, to be recognized by a state or federal registration agency and/or an industry as being fully qualified to perform the work of the occupation.



**Labor Hours**

The total number of projected or actual hours for all trades or crafts worked by persons who receive an hourly wage and who are employed on a public works project site. This shall also include hours worked by persons employed by subcontractors on the project.

**Priority Hire**

The Priority Hire Program prioritizes workers living in economically-distressed ZIP codes, women, people of color and preferred entry candidates for hire on King County Covered Projects.

**Priority Hire Worker**

Priority Hire Worker means an apprentice or journey worker residing in an Economically Distressed Area who is prioritized for recruitment, training and employment opportunities on King County CWA projects

## **Projects Subjects to Apprenticeship and Priority Hire Requirements in 2018**

The following project profiles provide information on public works projects subject to the apprenticeship and Priority Hire requirements during the report period. These project profiles include statistical data on the percentage of labor hours performed by apprentices and priority workers, the total number of project labor hours worked for the period January 1, 2018 through December 31, 2018.

Each project profile reports data on the cumulative apprenticeship rate for each project as of December 31, 2018.

# C00863C13 – Children and Family Justice Center

Department Name: Executive Services  
 Division: Facilities Management Division  
 Project Name: Children and Family Justice Center  
 Contract Number: C00863C13  
 Prime Contractor: Balfour Beatty Construction, LLC (dba Howard S. Wright)  
 Contract Award Amount: \$154,000,000  
 Execution Date: February 20, 2015  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate:** 25.84%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 24.70%

design-build project delivery method for the design and construction of the CFJC Project

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						%Women	%	Minorities	%
Asbestos Worker	1,138.50	815.50	323.00	28.37%	3.00	0.00	0.00%	0.00	0.00%
Brick and Block Finisher	16,513.50	16,513.50	0.00	0.00%	0.00	0.00	-	0.00	-
Brick Layer	19,324.12	10,674.62	8,649.50	44.76%	18.00	732.00	8.46%	5,487.00	63.44%
Bricklayer	2,399.50	2,399.50	0.00	0.00%	0.00	0.00	-	0.00	-
Carpenter	62,275.50	52,183.50	10,092.00	16.21%	19.00	462.50	4.58%	2,604.50	25.81%
Cement Mason	5,298.60	4,993.10	305.50	5.77%	13.00	157.00	51.39%	45.50	14.89%
Commercial Glazier	1,326.75	0.00	1,326.75	100.00%	9.00	113.50	8.55%	315.25	23.76%
Constr Equip Operator	225.50	0.00	225.50	100.00%	1.00	0.00	0.00%	0.00	0.00%
Construction Electrician	204.96	128.00	76.96	37.55%	2.00	0.00	0.00%	0.00	0.00%
Drywall Finisher	2,569.00	1,014.00	1,555.00	60.53%	8.00	0.00	0.00%	1,483.00	95.37%
Drywall Finisher (Taper)	1,994.00	1,994.00	0.00	0.00%	0.00	0.00	-	0.00	-
Drywall Installer/Taper	5,046.50	5,046.50	0.00	0.00%	0.00	0.00	-	0.00	-
Drywall/Metal Stud/Acoustical (	2,650.00	2,650.00	0.00	0.00%	0.00	0.00	-	0.00	-
Electric Utility Technician	309.00	309.00	0.00	0.00%	0.00	0.00	-	0.00	-
Electrician	16,281.00	16,281.00	0.00	0.00%	0.00	0.00	-	0.00	-
Elevator Constructor	253.75	253.75	0.00	0.00%	0.00	0.00	-	0.00	-
Elevator Constructor Mechanic	380.50	0.00	380.50	100.00%	6.00	0.00	0.00%	0.00	0.00%
Equipment Operator	6,569.75	6,569.75	0.00	0.00%	0.00	0.00	-	0.00	-
Firestop/Containment Worker	82.00	0.00	82.00	100.00%	1.00	0.00	0.00%	0.00	0.00%
Glazier	3,769.00	3,769.00	0.00	0.00%	0.00	0.00	-	0.00	-
Hoisting Engineers	581.50	0.00	581.50	100.00%	3.00	0.00	0.00%	198.50	34.14%
HVAC Test, Adjust and Balance	197.00	0.00	197.00	100.00%	1.00	0.00	0.00%	197.00	100.00%
Inside Electrician	16,853.50	16,853.50	0.00	0.00%	0.00	0.00	-	0.00	-
Inside Wire-man	27,104.50	3,981.50	23,123.00	85.31%	25.00	0.00	0.00%	8,387.50	36.27%
Inside Wireman	363.00	363.00	0.00	0.00%	0.00	0.00	-	0.00	-
Insulation Applicator	1,483.50	1,483.50	0.00	0.00%	0.00	0.00	-	0.00	-
Insulation Worker	166.00	166.00	0.00	0.00%	0.00	0.00	-	0.00	-
Insulation-Applicator	733.00	247.00	486.00	66.30%	9.00	0.00	0.00%	359.00	73.87%
InsulationApplicator	538.00	538.00	0.00	0.00%	0.00	0.00	-	0.00	-
Iron Worker	11,717.50	11,717.50	0.00	0.00%	0.00	0.00	-	0.00	-
Ironworker	5,023.50	611.00	4,412.50	87.84%	42.00	15.50	0.35%	975.00	22.10%
Laborer	38,247.41	32,047.25	6,200.16	16.21%	18.00	1,759.00	28.37%	1,115.16	17.99%
Lathing Acoustical Drywall Syst	9,253.50	0.00	9,253.50	100.00%	17.00	0.00	0.00%	4,856.00	52.48%
Limited Energy/Sound & Comm	1,455.50	0.00	1,455.50	100.00%	4.00	0.00	0.00%	993.50	68.67%
Maint Plumber/Steamfitter	2,310.50	0.00	2,310.50	100.00%	6.00	0.00	0.00%	0.00	0.00%
Other Trade	429.75	429.75	0.00	0.00%	0.00	0.00	-	0.00	-
Painter	2,185.00	2,185.00	0.00	0.00%	0.00	0.00	-	0.00	-
Pipefitters	4,401.00	3,787.00	614.00	13.95%	4.00	0.00	0.00%	32.00	5.21%
Plant Maintenance Worker (Lub	24.00	24.00	0.00	0.00%	0.00	0.00	-	0.00	-
Plasterer	7,201.00	5,002.00	2,199.00	30.54%	15.00	0.00	0.00%	632.00	28.74%
Plumber	25,039.50	20,168.00	4,871.50	19.46%	9.00	714.00	14.66%	1,324.00	27.18%
Power System Electrician	1.50	1.50	0.00	0.00%	0.00	0.00	-	0.00	-
Power Systems Control Crafts	2,006.50	2,006.50	0.00	0.00%	0.00	0.00	-	0.00	-
Roofer	15,062.75	8,804.50	6,258.25	41.55%	29.00	1,176.00	18.79%	4,538.25	72.52%
Scaffold Erector	20.50	20.50	0.00	0.00%	0.00	0.00	-	0.00	-
Sheet Metal Worker	25,194.75	19,035.75	6,159.00	24.45%	15.00	1,077.00	17.49%	1,398.50	22.71%
Soft Floor Layer	8.00	8.00	0.00	0.00%	0.00	0.00	-	0.00	-
Sprinkler Fitter	6,109.00	4,122.50	1,986.50	32.52%	5.00	456.00	22.95%	0.00	0.00%
Surveyor	1,444.50	1,444.50	0.00	0.00%	0.00	0.00	-	0.00	-
Taper (Drywall)	161.00	161.00	0.00	0.00%	0.00	0.00	-	0.00	-
Tile/Terrazzo/Marble Finisher	772.50	692.50	80.00	10.36%	2.00	0.00	0.00%	80.00	100.00%
Tilelayer	2,310.00	2,310.00	0.00	0.00%	0.00	0.00	-	0.00	-
Tilesetter	1,038.00	1,038.00	0.00	0.00%	0.00	0.00	-	0.00	-
Truck Driver	2,639.40	2,639.40	0.00	0.00%	0.00	0.00	-	0.00	-
<b>Total</b>	<b>360,687.99</b>	<b>267,483.37</b>	<b>93,204.62</b>	<b>25.84%</b>	<b>284</b>	<b>6,662.50</b>	<b>7.15%</b>	<b>35,027.66</b>	<b>37.58%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00946C15 - Rainier Valley Wet Weather Storage Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Rainier Valley Wet Weather Storage Project  
 Contract Number: C00946C15  
 Prime Contractor: James W Fowler Company  
 Contract Award Amount: \$17,344,625  
 Execution Date: April 4, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 16.01%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 16.91%

reduce overflows at two King County Combined Sewer Overflow structures (Bayview North and Hanford@Rainier) to one overflow per year on a 20 year average

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	352.00	304.00	48.00	13.64%	3	0.00	0.00%	48.00	100.00%
Construction Site Surveyor/Technician	21.00	21.00	0.00	0.00%	0	0.00	-	0.00	-
Drywall Installer/taper	107.50	107.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	3,221.50	3,221.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	5,188.30	5,188.30	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	215.20	215.20	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	398.00	398.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	2.00	0.00	2.00	100.00%	1	0.00	0.00%	2.00	100.00%
Inside Wire-man	1,519.00	0.00	1,519.00	100.00%	4	0.00	0.00%	248.50	16.36%
Laborer	5,488.00	3,678.00	1,810.00	32.98%	5	588.00	32.49%	1,810.00	100.00%
Landscape Construction Worker	326.00	326.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	63.00	63.00	0.00	0.00%	0	0.00	-	0.00	-
Lathing Acoustical Drywall System	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Millwright	741.50	741.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,297.50	1,297.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	336.50	247.00	89.50	26.60%	2	0.00	0.00%	0.00	0.00%
Plumber	1,962.00	1,962.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	634.00	495.00	139.00	21.92%	2	0.00	0.00%	48.50	34.89%
Sprinkler Fitter	132.00	132.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	564.70	564.70	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>22,579.70</b>	<b>18,964.20</b>	<b>3,615.50</b>	<b>16.01%</b>	<b>18</b>	<b>588.00</b>	<b>16.26%</b>	<b>2,157.00</b>	<b>59.66%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00973C16 - Kent/Auburn CSI AWI Parallel and Pacific Pump Station

## Discharge

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Kent/Auburn CSI AWI Parallel and Pacific Pump Station Discharge  
 Contract Number: C00973C16  
 Prime Contractor: KIEWIT INFRASTRUCTURE WEST CO.  
 Contract Award Amount: \$18,566,500  
 Execution Date: February 14, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 12.90%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 9.90%

The purpose of this project is to increase the capacity of King County's existing sewer system by installing new pipelines.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Asbestos Worker	16.00	16.00	0.00	0.00%	0.00	0.00	-	0.00	-
Carpenter	48.00	48.00	0.00	0.00%	0.00	0.00	-	0.00	-
Cement Mason	272.00	180.50	91.50	33.64%	9	0.00	0.00%	33.00	36.07%
Constr Equip Operator	689.50		689.50	100.00%	5	53.00	7.69%	402.50	58.38%
Electrician	10.00	10.00	0.00	0.00%	0.00	0.00	-	0.00	-
Equipment Operator	5,456.25	5,456.25	0.00	0.00%	0.00	0.00	-	0.00	-
Fence Erector	410.50	410.50	0.00	0.00%	0.00	0.00	-	0.00	-
Flagger	2,671.00	2,671.00	0.00	0.00%	0.00	0.00	-	0.00	-
Inside Electrician	15.50	15.50	0.00	0.00%	0.00	0.00	-	0.00	-
Inside Wire-man	25.00		25.00	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation Worker	47.00	47.00	0.00	0.00%	0.00	0.00	-	0.00	-
Iron Worker	16.00	16.00	0.00	0.00%	0.00	0.00	-	0.00	-
Laborer	13,334.35	8,888.35	4,446.00	33.34%	15	544.50	12.25%	2,554.50	57.46%
Operator	9,693.00	9,693.00	0.00	0.00%	0.00	0.00	-	0.00	-
Painter	43.00	43.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	5.00		5.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipe fitter	49.00	49.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	79.00	61.00	18.00	22.78%	1	0.00	0.00%	18.00	100.00%
Surveyor	1,145.25	1,145.25	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	35.75		35.75	100.00%	4	8.00	22.38%	0.00	0.00%
Traffic control strip	66.00	66.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	5,183.63	5,183.63	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	9.50		9.50	100.00%	1	0.00	0.00%	0.00	0.00%
Waste-Water Treatment Plant Op	52.75	52.75	0.00	0.00%	0	0.00	-	0.00	-
Water Pipe Worker	18.00	18.00	0.00	0.00%	0	0.00	-	0.00	-
Water/Wastewater Technician	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	1,855.00	1,855.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>41,249.98</b>	<b>35,929.73</b>	<b>5,320.25</b>	<b>12.90%</b>	<b>37</b>	<b>605.50</b>	<b>11.38%</b>	<b>3,008.00</b>	<b>56.54%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01008C16 - Sunset & Heathfield Pump Stations and Force Main Upgrade

Department Name: Natural Resources & Parks  
Division: Wastewater Treatment Division  
Project Name: Sunset & Heathfield Pump Stations and Force Main Upgrade  
Contract Number: C01008C16  
Prime Contractor: Flatiron West, Inc  
Contract Award Amount: \$36,600,000  
Execution Date: April 17, 2017  
Type of Construction: Construction  
Apprenticeship Requirement: 15.00%  
Apprenticeship Rate: 2018 17.34%  
Construction Completed:  
\*\*\*Cumulative Apprenticeship Rate: 16.10%  
Priority Hire Journey Requirement: 12.00%  
Priority Hire Apprenticeship Requirement: 5.00%  
Cumulative Priority Hire rate: 18.92%

demolish, replace, reconfigure and provide new equipment. Upgrade of electrical, mechanical, structural, and architectural systems. Upgrade building piping

Apprentice Utilization by Trade/Craft										**Apprentice & Priority Hire Hours								
Trade	Total Labor Hours	Total Journey Hours	Total PH Hours	Total Apprentice Hours	Total PH Apprentice Hours	% Apprentice Hours	% PH Apprentice Hours	Total # Apprentices	Total PH Apprentice Workers	*Women	PH Women Hours	# PH Women Workers	%	Minorities	PH Minorities s Hours	# PH Minorities Workers	%	
Carpenter	8,314.50	7,224.50	3,707.00	1,090.00	1,090.00	13.11%	29.40%	1	1	1,090.00	1,090.00	1.00	100.00%	0.00	0.00	0.00	0.00%	
Cement Finishers	302.50	302.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Cement Mason	454.00	454.00	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Constr Equip Operator	1,695.00	0.00	247.50	1,695.00	0	100.00%	0.00%	2	2	0.00	0.00	0.00	0.00	1,222.00	0.00	0.00	72.09%	
Electrician	9,145.50	9,145.50	754.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Elevator Constructor Mechanic	10.50	0.00	0.00	10.50	0	100.00%	0.00%	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	
Equipment Operator	10,036.00	10,036.00	77.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Fence Erector	182.75	182.75	55.25	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Flagger	1,152.00	1,152.00	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Hoisting Engineers	119.00	0.00	0.00	119.00	0	100.00%	0.00%	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	
HVAC (Sheet Metal) Worker	8.00	8.00	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Inside Wire-man	5,006.00	0.00	1,807.50	5,006.00	1,187.00	100.00%	65.67%	5	2	0.00	0.00	0.00	0.00	1,186.00	1,186.00	1.00	23.69%	
Iron Worker	12.50	12.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Ironworker	32.50	69.50	34.50	13.00	7.00	15.76%	20.29%	2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	
Laborer	31,732.50	26,087.50	11,946.00	5,645.00	1,607.50	17.79%	13.46%	9	3	2,459.00	1,607.50	3.00	43.56%	1,481.00	1,481.00	2.00	26.24%	
Landscaper	66.86	66.86	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Millwright	1,404.50	825.00	0.00	579.50	0	41.26%	0.00%	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	
Operator	6,876.50	6,876.50	367.50	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Other Trade	68.50	68.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Painter	101.00	101.00	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Pile Driver Operator	407.00	407.00	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Piledriver	35.50	35.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Pipe fitter	1,240.50	1,240.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Pipefitter	648.50	648.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Plumber	1,906.00	1,906.00	1,451.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Roofers	171.00	106.50	0.00	64.50	0	37.72%	0.00%	3	3	0.00	0.00	0.00	0.00	21.50	0.00	0.00	33.33%	
Sheet Metal Worker	84.00	84.00	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Surveyor	326.00	326.00	49.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Teamster/Truck driver	444.50	444.50	0.00	0	0	0.00%	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	
Total	82,033.61	67,811.11	20,564.75	14,222.50	3,891.50	17.34%	18.92%	25	7	3,549.00	2,697.50	4.00	24.95%	3,910.50	2,667.00	3.00	27.50%	

## Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01025C17 – Georgetown Wet Weather Treatment Station

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Georgetown Wet Weather Treatment Station  
 Contract Number: C01025C17  
 Prime Contractor: Flatiron West, Inc  
 Contract Award Amount: \$96,169,322  
 Execution Date: October 23, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 13.16%  
**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 13.16%

**Priority Hire Journey Requirement:** 12.00%  
**Priority Hire Apprenticeship Requirement:** 5.00%  
**Cumulative Priority Hire rate:** 29.37%

Construct a new 70 million gallon per day capacity wet weather treatment station for treating combined sewer overflow (CSO) wastewater.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total PH Hours	Total Apprentices Hours	Total PH Apprentices Hours	% Apprentices Hours	% PH Apprentices Hours	Total # Apprentices	Total # PH Apprentices	**Apprentice Hours								# PH	
										*Women	PH Women Hours	# PH Women Workers	%	Minorities	PH Minorities Hours	Workers	%	PH Minorities	Workers
Carpenter	9,269.50	8,475.00	948.00	794.50	348.50	8.57%	36.76%	3	2	446.00	0.00	0.00	56.14%	794.50	348.50	2.00	100.00%		
Carpenter, Piledriver	958.00	0.00	524.50	958.00	520.50	100.00%	99.24%	5	2	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%		
Cement Mason	285.00	255.50	81.50	29.50	29.50	10.35%	36.20%	1	1	0.00	0.00	0.00	0.00%	29.50	29.50	1.00	100.00%		
Concrete Boom Pumper	130.75	130.75	17.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Constr Equip Operator	1,144.50	0.00	1,474.50	1,144.50	349.00	100.00%	23.67%	2	1	1,144.50	349.00	1.00	100.00%	349.00	349.00	1.00	30.49%		
Construction Electrician	0.00	0.00	0.00	0.00	0.00	-	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Electric Lineman	340.00	340.00	0.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Electrician	2,432.50	2,432.50	0.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Equipment Operator	14,910.25	14,910.25	0.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Hoisting Engineers	0.00	0.00	438.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Inside Wire-man	1,462.00	0.00	805.00	1,462.00	306.00	100.00%	38.01%	4	2	306.00	306.00	2.00	20.93%	392.00	88.00	1.00	26.81%		
Iron Worker	500.50	500.50	0.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Ironworker	1,370.00	1,216.50	286.50	153.50	0.00	11.20%	0.00%	2	0.00	134.00	0.00	0.00	87.30%	0.00	0.00	0.00	0.00%		
Laborer	8,250.75	6,894.75	1,817.25	1,356.00	673.50	16.43%	37.06%	10	7	6.00	6.00	1.00	0.44%	1,314.00	667.50	6.00	96.90%		
Lineworker	0.00	0.00	342.00	0.00	0.00	-	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Operator	0.00	0.00	749.25	0.00	0.00	-	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Other Trade	5.50	5.50	0.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Pile Driver Operator	0.00	0.00	0.00	0.00	0.00	-	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Piledriver	1,941.50	1,941.50	0.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Plumber	1,807.00	1,807.00	79.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Sheet Metal Worker	0.00	0.00	5.00	0.00	0.00	-	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Steamfitter	0.00	0.00	0.00	0.00	0.00	-	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
Well-drill operator	22.50	22.50	16.00	0.00	0.00	0.00%	0.00%	0	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-		
<b>Total</b>	<b>44,830.25</b>	<b>38,932.25</b>	<b>7,583.50</b>	<b>5,898.00</b>	<b>2,227.00</b>	<b>13.16%</b>	<b>29.37%</b>	<b>27</b>	<b>15</b>	<b>2,036.50</b>	<b>661.00</b>	<b>4.00</b>	<b>34.53%</b>	<b>2,879.00</b>	<b>1,482.50</b>	<b>11.00</b>	<b>48.81%</b>		

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentices hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01026C17 - Georgetown Wet Weather Treatment Station - Demolition, Remediation, and Site Preparation

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Georgetown Wet Weather Treatment Station - Demolition, Remediation, and Site Preparation  
 Contract Number: C01026C17  
 Prime Contractor: TITAN EARTHWORK, LLC  
 Contract Award Amount: \$2,783,230  
 Execution Date: March 16, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2017** 54.28%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 19.09%  
**Priority Hire Journey Requirement:** 10.00%  
**Priority Hire Apprentice Requirement:** 5.00%  
**Cumulative Priority Hire rate:**

demolition of two former restaurants, a gas station, commercial and warehouse building.

## Apprentice Utilization by Trade/Craft

Trade									**Apprentice Hours								
	Total Labor Hours	Total Journey Hours	Total PH Hours	Total Apprentice Hours	Total PH Apprentice Hours	% Apprentice Hours	% PH Hours	Total # Apprentices	Total # PH Apprentice Workers	*Women	PH Women Hours	# PH Women Workers	%	Minorities	PH Minorities Hours	# PH Minorities Workers	%
Constr Equip Operator	1,031.50	869.00	58.00	162.50	50.00	15.75%	86.21%	5	1	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Equipment Operator	1,720.00	352.00	115.50	1,368.00	0.00	79.53%	0.00%	9	0	0.00	0.00	0.00	0.00%	184.50	0.00	0.00	13.49%
Fence Erector	321.05	168.00	68.50	153.05	0.00	47.67%	0.00%	4	0	0.00	0.00	0.00	0.00%	68.50	0.00	0.00	44.76%
Inside Wire-man	9.00	0.00	3.00	9.00	3.00	100.00%	100.00%	3	1	3.00	0.00	0.00	33.33%	0.00	0.00	0.00	0.00%
Laborer	2,634.05	1,074.50	630.50	1,559.55	586.00	59.21%	92.94%	20	2	12.00	0.00	0.00	0.77%	586.00	586.00	2.00	37.57%
Operator	147.00	147.00	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Teamster/Truck driver	1,586.35	785.50	285.00	800.85	0.00	50.48%	0.00%	31	0	0.00	0.00	0.00	0.00%	85.00	0.00	0.00	10.61%
Truck Driver	186.00	93.00	0.00	93.00	0.00	50.00%	0.00%	2	0	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Wire Electrician	3.00	3.00	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Total	7,637.95	3,492.00	1,160.50	4,145.95	639.00	54.28%	55.06%	74	4	15.00	0.00	0.00	0.36%	924.00	586.00	2.00	22.29%

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01035C16 - Frye Warehouse and Old Operations Building Demolition

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Frye Warehouse and Old Operations Building Demolition  
 Contract Number: C01035C16  
 Prime Contractor: Colvos Construction, LLC  
 Contract Award Amount: \$1,605,000  
 Execution Date: July 24, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%

**Apprenticeship Rate: 2018** 8.08%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 12.72%

The Project is contracting the demolition of two buildings, the Frye Warehouse and Old Operations Building.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	4.00	0.00	4.00	100.00%	1	4.00	100.00%	0.00	0.00%
Equipment Operator	17.50	17.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	28.00	28.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>49.50</b>	<b>45.50</b>	<b>4.00</b>	<b>8.08%</b>	<b>1</b>	<b>4.00</b>	<b>100.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C01036C16 - Hybrid Battery Lift Project

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Hybrid Battery Lift Project  
 Contract Number: C01036C16  
 Prime Contractor: Prospect Construction Inc  
 Contract Award Amount: \$807,881  
 Execution Date: February 17, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 8.00%  
**Apprenticeship Rate: 2018** 28.39%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 14.22%

The Project is contracting the purchase and installation of Jib Cranes (4-total)  
 at Ryerson Base, Central Base, North Base, and East Base Metro Transit locations.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	187.00	79.00	108.00	57.75%	1	0.00	0.00%	0.00	0.00%
Electrician	127.00	127.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	24.00	0.00	24.00	100.00%	1	0.00	0.00%	0.00	0.00%
Ironworker	115.00	115.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1.00	1.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>465.00</b>	<b>333.00</b>	<b>132.00</b>	<b>28.39%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01058C16 - Elliott West Equip Relocate

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Elliott West Equip Relocate  
 Contract Number: C01058C16  
 Prime Contractor: Award Construction Inc  
 Contract Award Amount: \$759,000  
 Execution Date: October 10, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 41.67%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 16.50%

Move Elliott West CSO treatment facility's final effluent and pre-dechlorination process monitoring and regulatory compliance sampling from a room that stores sodium bisulfite to a separate room at the Denny Regulator Station that will be constructed under this project.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	5.00	0.00	5.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitter	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>12.00</b>	<b>7.00</b>	<b>5.00</b>	<b>41.67%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01061C16 - 2016 Countywide Pavement Preservation

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2016 Countywide Pavement Preservation  
 Contract Number: C01061C16  
 Prime Contractor: ICON Materials  
 Contract Award Amount: \$6,933,884  
 Execution Date: July 29, 2016  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 5.67%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 8.28%

This project provides for the improvement of 31.89 miles of roadway in King County

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	11.00	0.00	11.00	100.00%	2	6.00	54.55%	0.00	0.00%
Equipment Operator	47.50	47.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	131.50	131.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	4.01	4.01	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>194.01</b>	<b>183.01</b>	<b>11.00</b>	<b>5.67%</b>	<b>2</b>	<b>6.00</b>	<b>54.55%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01071C17 - Georgetown Wet Weather Treatment Station – Conveyance

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Georgetown Wet Weather Treatment Station - Conveyance  
 Contract Number: C01071C17  
 Prime Contractor: James W Fowler Company  
 Contract Award Amount: \$16,599,500  
 Execution Date: July 11, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 15.90%

**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 15.88%

**Priority Hire Journey Requirement:** 12.00%  
**Priority Hire Apprentice Requirement:** 5.00%  
**Cumulative Priority Hire rate:** 26.63%

The work of this contract is to construct a pipeline for conveying the treated effluent from the Georgetown Wet Weather Treatment Station to a new outfall in the Duwamish Waterway

## Apprentice Utilization by

Trade	Total Labor Hours	Total Journey Hours	Total PH Hours	Total Apprentice Hours	Total PH Apprentice Hours	% of Total Hours	% PH Apprentice Hours	Total # Apprentices	Total # PH Apprentice Workers	**Apprentice Hours							
										*Women	PH Women Hours	# H Women Workers	%	Minorities	PH Minorities Hours	# PH Minorities Workers	%
Constr Equip Operator	271.50	0.00	0.00	271.50	0.00	100.00%	0.00%	1	0	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Equipment Operator	1,310.30	1,310.30	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Fence Erector	11.60	11.60	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Fire Fighter	0.00	0.00	0.00	0.00	0.00	-	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Laborer	354.00	260.00	189.00	94.00	94.00	26.55%	49.74%	1	1	0.00	0.00	0.00	0.00%	94.00	94.00	1.00	100.00%
Surveyor	77.00	77.00	11.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Teamster/Truck driver	274.10	274.10	153.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Technical Engineer	0.00	0.00	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
<b>Total</b>	<b>2,298.50</b>	<b>1,933.00</b>	<b>353.00</b>	<b>365.50</b>	<b>94.00</b>	<b>15.90%</b>	<b>26.63%</b>	<b>2</b>	<b>1</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>94.00</b>	<b>94.00</b>	<b>1.00</b>	<b>25.72%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\*Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01072C17 – Georgetown Wet Weather Treatment Station – Outfall

Department Name: Natural Resources & Parks  
Division: Wastewater Treatment Division  
Project Name: Georgetown Wet Weather Treatment Station - Outfall  
Contract Number: C01072C17  
Prime Contractor: PACIFIC PILE & MARINE, L.P.  
Contract Award Amount: \$4,672,000  
Execution Date: December 29, 2017  
Type of Construction: Construction

Apprenticeship Requirement: 15.00%  
Apprenticeship Rate: 2018 11.29%  
Construction Completed:  
\*\*\*Cumulative Apprenticeship Rate: 11.29%

Priority Hire Journey Requirement: 12.00%  
Priority Hire Apprenticeship Requirement: 5.00%  
Cumulative Priority Hire rate: 39.27%

Reduce the discharge of untreated combined sewer overflows to the Lower Duwamish Waterway during wet weather

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total PH Hours	Total Apprentice Hours	Total PH Apprentice Hours	% Apprentice Hours	% PH Apprentice Hours	Total # Apprentices	Total # PH Apprentice Workers	**Apprentice Hours							
										*Women	PH Women Hours	# PH Women Workers	%	Minorities	PH Minorities Hours	PH Minorities Workers	%
Carpenter, Piledriver	4.00	0.00	4.00	4.00	4.00	100.00%	100.00%	1	1	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Concrete Boom Pumper	11.75	11.75	29.75	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Constr Equip Operator	0.00	0.00	0.00	0.00	0.00	-	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Diver	20.00	20.00	14.00	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Electrician	5.00	5.00	0.00	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Elevator Constructor Mechanic	0.00	0.00	0.00	0.00	0.00	-	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Equipment Operator	3,050.10	3,050.10	0.00	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Fire Fighter	0.00	0.00	0.00	0.00	0.00	-	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Heavy Duty Repair Mech	0.00	0.00	0.00	0.00	0.00	-	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Hoisting Engineers	1,032.00	0.00	1,032.00	1,032.00	1,032.00	100.00%	100.00%	1	1	1,032.00	1,032.00	1.00	100.00%	1,032.00	1,032.00	1.00	100.00%
Inside Wire-man	3.00	0.00	3.00	3.00	3.00	100.00%	100.00%	1	1	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Laborer	295.85	260.85	86.30	35.00	35.00	11.83%	40.56%	3	3	0.00	0.00	0.00	0.00%	35.00	35.00	3.00	100.00%
Operator	478.00	478.00	6.25	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Pile Driver Operator	1,090.00	1,090.00	0.00	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Piledriver	3,096.50	3,096.50	1,352.50	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Teamster/Truck driver	69.60	69.60	128.30	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
Truck Driver	353.25	353.25	78.75	0.00	0.00	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	-	0.00	0.00	-
<b>Total</b>	<b>9,509.05</b>	<b>8,435.05</b>	<b>2,734.85</b>	<b>1,074.00</b>	<b>1,074.00</b>	<b>11.29%</b>	<b>39.27%</b>	<b>6</b>	<b>6</b>	<b>1,032.00</b>	<b>1,032.00</b>	<b>1.00</b>	<b>96.09%</b>	<b>1,067.00</b>	<b>1,067.00</b>	<b>4.00</b>	<b>99.35%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01089C16 - WPTP VSD Replacement

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: WPTP VSD Replacement  
 Contract Number: C01089C16  
 Prime Contractor: EC Company  
 Contract Award Amount: \$4,339,561  
 Execution Date: February 1, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 16.06%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 15.93%

Replace seven medium voltage variable speed drives (VSD) and motor vibration monitoring equipment.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	1,331.75	1,331.75	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4.50	4.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	265.25	0.00	265.25	100.00%	2	0.00	0.00%	2.00	0.75%
Laborer	20.50	20.50	0.00	0.00%	0	0.00	-	0.00	-
Millwright	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,652.00</b>	<b>1,386.75</b>	<b>265.25</b>	<b>16.06%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>2.00</b>	<b>0.75%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01103C16 - PSERN Bid Package #3

Department Name: King County Information Technology  
 Division: Information Technology  
 Project Name: PSERN Bid Package #3  
 Contract Number: C01103C16  
 Prime Contractor: Mastec Network Solutions, Inc  
 Contract Award Amount: \$1,750,000  
 Execution Date: March 23, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 1.51%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 1.48%

This solicitation is for construction at six (6) radio sites as part of King County's new land mobile radio system for the Puget Sound Emergency Radio Network

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	15.00	0.00	15.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	65.50	65.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	260.25	260.25	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	13.75	13.75	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	1.00	1.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	178.25	178.25	0.00	0.00%	0	0.00	-	0.00	-
Laborer	642.00	638.00	4.00	0.62%	1	0.00	0.00%	0.00	0.00%
Teamster/Truck driver	42.80	42.80	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,257.55</b>	<b>1,238.55</b>	<b>19.00</b>	<b>1.51%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01106C17 - South Plant Localized Hypo Caustic Chemical Storage

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: South Plant Localized Hypo Caustic Chemical Storage  
 Contract Number: C01106C17  
 Prime Contractor: General Mechanical, Inc.  
 Contract Award Amount: \$1,325,814  
 Execution Date: July 13, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 26.94%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 26.83%

Demolish, relocate, and provide new localized storage tanks as well as associated pumps, instrumentation, and controls for hypo and caustic odor control chemicals at the DAFT and Dewatering process areas.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	753.50	740.50	13.00	1.73%	2	0.00	0.00%	0.00	0.00%
Carpenter, Scaffold Erector	16.50	16.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	1,501.00	1,501.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	64.00	64.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	872.00	0.00	872.00	100.00%	3	0.00	0.00%	0.00	0.00%
Ironworker	108.00	108.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	265.00	265.00	0.00	0.00%	0	0.00	-	0.00	-
Marine/Industrial/Coating and Lining	24.00	0.00	24.00	100.00%	1	0.00	0.00%	24.00	100.00%
Painter	445.00	445.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	32.00	0.00	32.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitter	1,345.00	1,345.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	165.00	0.00	165.00	100.00%	1	0.00	0.00%	0.00	0.00%
Scaffold Erector	15.50	15.50	0.00	0.00%	0	0.00	-	0.00	-
Steamfitter	562.50	0.00	562.50	100.00%	2	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>6,193.00</b>	<b>4,524.50</b>	<b>1,668.50</b>	<b>26.94%</b>	<b>10</b>	<b>0.00</b>	<b>0.00%</b>	<b>24.00</b>	<b>1.44%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01113C16 - Vashon Bunker Trail Pump Station Rehabilitation Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Vashon Bunker Trail Pump Station Rehabilitation Project  
 Contract Number: C01113C16  
 Prime Contractor: Award Construction Inc  
 Contract Award Amount: \$1,780,000  
 Execution Date: April 27, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 7.00%  
**Apprenticeship Rate: 2018** 10.10%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 8.19%

The Bunder Trail pumping system consists of 4 small lift stations located

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	22.50	22.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	884.00	884.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	93.50	93.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	1,724.50	1,724.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	238.00	0.00	238.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	2,522.00	2,163.50	358.50	14.21%	1	0.00	0.00%	0.00	0.00%
Operator	72.00	72.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	63.00	63.00	0.00	0.00%	0	0.00	-	0.00	-
Sprinkler Fitter	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Traffic control stripier	13.50	13.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	187.25	187.25	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>5,904.75</b>	<b>5,308.25</b>	<b>596.50</b>	<b>10.10%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01126C17 - Eastside Rail Corridor – Rail Removal and Interim Trail Phase

1

Department Name: Natural Resources & Parks  
 Division: Parks & Recreation  
 Project Name: EASTSIDE RAIL CORRIDOR – Rail Removal and Interim Trail Phase 1  
 Contract Number: C01126C17  
 Prime Contractor: Interwest Construction, Inc.  
 Contract Award Amount: \$1,584,461  
 Execution Date: October 2, 2017  
 Type of Construction: Construction

Apprenticeship Requirement: 5.00%  
 Apprenticeship Rate: 2018 11.03%  
 Construction Completed:  
 \*\*\*Cumulative Apprenticeship Rate: 9.79%

This project provides for the improvement of a section of the Eastside Rail Corridor (ERC)

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	113.50	106.50	7.00	6.17%	1	0.00	0.00%	7.00	100.00%
Fence Erector	583.50	583.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	60.00	60.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	2,759.50	2,215.00	544.50	19.73%	4	201.50	37.01%	289.50	53.17%
Operator	1,615.00	1,615.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	0.00	0.00	0.00	-	1	0.00	-	0.00	-
Traffic Control Painter	61.50	0.00	61.50	100.00%	2	23.50	38.21%	0.00	0.00%
Traffic control striping	61.50	61.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	301.50	301.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>5,556.00</b>	<b>4,943.00</b>	<b>613.00</b>	<b>11.03%</b>	<b>8</b>	<b>225.00</b>	<b>36.70%</b>	<b>296.50</b>	<b>48.37%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01129C17 - Construction of Cedar Hills Regional Landfill (CHRLF) Area 8 Refuse Facility and Area 7 Stage 3 & 4 Closure Project

Department Name: Natural Resources & Parks  
Division: Solid Waste Division  
Project Name: Construction of Cedar Hills Regional Landfill (CHRLF) Area 8 Refuse Facility and Area 7 Stage 3 & 4 Closure Project  
Contract Number: C01129C17  
Prime Contractor: Scarsella Bros., Inc.  
Contract Award Amount: \$32,619,010  
Execution Date: June 2, 2017  
Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2018** 21.33%

**Construction Completed:** 10.00%  
\*\*\*Cumulative Apprenticeship Rate: 17.95%

**Priority Hire Journey Requirement:** 10.00%  
**Priority Hire Apprentice Requirement:** 5.00%  
**Cumulative Priority Hire rate:** 28.24%

The construction project consists of two integrated sites adjacent to one another at the Cedar Hills Regional Landfill.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total PH Hours	Total Apprentice Hours	Total PH Apprentice Hours	% PH Apprentice Hours	% PH Apprentice Hours	Total Apprentices	Total # PH Apprentice Worker	**Apprentice Hours							
										# PH Women	PH Women	Workers	%	Minorities	PH Minorities	# PH Minorities	%
Carpenter	554.00	554.00	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Constri Equip Operator	6,817.50	0.00	3,003.00	6,817.50	2,993.00	100.00%	99.67%	17	6	#####	861.00	4.00	15.74%	2,000.50	1,757.50	2.00	29.34%
Electrician	676.10	676.10	11.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Equipment Operator	20,445.25	20,445.25	257.50	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Heavy Duty Repair Mech	40.00	0.00	0.00	40.00	0.00	100.00%	0.00%	1	0	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Inside Wire-man	696.00	0.00	0.00	696.00	0.00	100.00%	0.00%	2	0	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Ironworker	83.50	0.00	0.00	83.50	0.00	100.00%	0.00%	1	0	0.00	0.00	0.00	0.00%	83.50	0.00	0.00	100.00%
Laborer	20,772.44	15,959.50	6,827.50	4,812.94	808.50	23.17%	11.84%	17	4	24.00	24.00	1.00	0.50%	2,102.44	58.00	2.00	43.68%
Lathing Acoustical Drywall Syste	15.00	0.00	0.00	15.00	0.00	100.00%	0.00%	1	0	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Operator	5,476.50	4,980.50	131.50	496.00	0.00	9.06%	0.00%	1	0	0.00	0.00	0.00	0.00%	496.00	0.00	0.00	100.00%
Residential Wireman	12.80	0.00	0.00	12.80	0.00	100.00%	0.00%	1	0	0.00	0.00	0.00	0.00%	0.00	0.00	0.00	0.00%
Surveyor	203.50	203.50	78.50	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Teamster	1,415.00	1,415.00	2,052.50	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Teamster/Truck driver	3,308.50	3,308.50	0.00	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Truck Driver	2,100.50	2,100.50	10.60	0.00	0.00	0.00%	0.00%	0	0	0.00	0.00	0.00	-	0.00	0.00	0.00	-
Truck Driver Heavy Construction	4,067.50	2,834.50	1,088.00	1,253.00	0.00	30.65%	0.00%	2	0	622.00	0.00	0.00	49.64%	1,253.00	0.00	0.00	100.00%
<b>Total</b>	<b>66,704.09</b>	<b>52,477.35</b>	<b>13,460.10</b>	<b>14,226.74</b>	<b>3,801.50</b>	<b>21.33%</b>	<b>28.24%</b>	<b>43</b>	<b>10</b>	<b>#####</b>	<b>905.00</b>	<b>5.00</b>	<b>12.08%</b>	<b>5,935.44</b>	<b>1,815.50</b>	<b>4.00</b>	<b>41.72%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01131C17 -King County Metro Transit North Base Roof System Replacement

Department Name: Transportation  
 Division: Transit Division  
 Project Name: King County Metro Transit North Base Roof System Replacement  
 Contract Number: C01131C17  
 Prime Contractor: V & R Sheet Metal, LLC  
 Contract Award Amount: \$1,999,823  
 Execution Date: July 28, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 20.00%  
**Apprenticeship Rate: 2018** 14.38%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 18.58%

The project includes 1) the replacement at the Vehicle Maintenance & Skybridge Portions of the building; 2) replace the existing roofing membrane system at the Operations Building

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter, Scaffold Erector	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	36.50	0.00	36.50	100.00%	2	0.00	0.00%	9.50	26.03%
Electrician	36.50	36.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	24.75	24.75	0.00	0.00%	0	0.00	-	0.00	-
Roofer	2,736.00	2,247.00	489.00	17.87%	10	39.50	8.08%	489.00	100.00%
Sheet Metal Worker	809.60	809.60	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,655.35</b>	<b>3,129.85</b>	<b>525.50</b>	<b>14.38%</b>	<b>12</b>	<b>39.50</b>	<b>7.52%</b>	<b>498.50</b>	<b>94.86%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01132C17 - Job Order Contract 2017-B

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Job Order Contract 2017-B  
 Contract Number: C01132C17  
 Prime Contractor: HITT Contracting, Inc  
 Contract Award Amount: \$6,000,000  
 Execution Date: November 15, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%

**Apprenticeship Rate: 2018** 8.55%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 8.55%

selective demolition, repair, remodeling, restoration, critical areas restoration (rive) and construction of public buildings/facilities, wastewater facilities, industrial facilities and their associated infrastructure

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	81.50	81.50	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	314.50	220.50	94.00	29.89%	4	0.00	0.00%	34.00	36.17%
Electrician	362.50	362.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	282.00	282.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	52.00	52.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	72.00	0.00	72.00	100.00%	3	0.00	0.00%	25.00	34.72%
Laborer	456.40	456.40	0.00	0.00%	0	0.00	-	0.00	-
Painter	1,430.26	1,430.26	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	171.50	171.50	0.00	0.00%	0	0.00	-	0.00	-
Plumber	178.50	178.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	722.70	530.40	192.30	26.61%	4	100.30	52.16%	176.30	91.68%
Surveyor	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	54.80	54.80	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	4.20	4.20	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>4,188.86</b>	<b>3,830.56</b>	<b>358.30</b>	<b>8.55%</b>	<b>11</b>	<b>100.30</b>	<b>27.99%</b>	<b>235.30</b>	<b>65.67%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01133C17 – West Point Flare Replacement

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: West Point Flare Replacement  
 Contract Number: C01133C17  
 Prime Contractor: McClure and Sons Inc.  
 Contract Award Amount: \$916,634  
 Execution Date: April 11, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2018** 22.50%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 22.76%

This project is to replace existing waste biogas burners with new County furnished waste biogas burners (WGB)

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	1,355.50	815.00	540.50	39.87%	1	0.00	0.00%	0.00	0.00%
Cement Mason	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	419.50	419.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician - Construction Stock F	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	55.00	55.00	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	88.00	88.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	459.00	459.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,402.00</b>	<b>1,861.50</b>	<b>540.50</b>	<b>22.50%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01136C17 – North Creek Interceptor Completion Work Order Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: North Creek Interceptor Completion WorkOrder Project  
 Contract Number: C01136C17  
 Prime Contractor: James W Fowler Company  
 Contract Award Amount: \$20,994,500  
 Execution Date: March 10, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 8.00%  
**Apprenticeship Rate: 2018** 14.11%  
**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 16.36%

The project includes construction of approximately 10,000 feet of new sewer line, along with connecting this new line to previously constructed pipe.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Boilermaker	96.00	96.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	497.50	440.00	57.50	11.56%	2	0.00	0.00%	57.50	100.00%
Constr Equip Operator	941.00	0.00	941.00	100.00%	3	0.00	0.00%	0.00	0.00%
Electrician	209.00	209.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	2,410.50	2,410.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Painter	53.60	53.60	0.00	0.00%	0	0.00	-	0.00	-
Flagger	723.00	723.00	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	563.00	0.00	563.00	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	5,158.30	4,918.30	240.00	4.65%	4	75.00	31.25%	11.50	4.79%
Operator	1,502.50	1,502.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	175.90	175.90	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	575.20	575.20	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	28.00	0.00	28.00	100.00%	2	15.40	55.00%	0.00	0.00%
Traffic control stripier	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>12,963.50</b>	<b>11,134.00</b>	<b>1,829.50</b>	<b>14.11%</b>	<b>13</b>	<b>90.40</b>	<b>4.94%</b>	<b>69.00</b>	<b>3.77%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01143C17 - Asphalt Services Work Order Contract

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: Asphalt Services Work Order Contract  
 Contract Number: C01143C17  
 Prime Contractor: NORTHWEST ASPHALT INC  
 Contract Award Amount: \$1,000,000  
 Execution Date: July 24, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 1.89%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 2.50%

Furnish all labor, materials, and equipment necessary to perform Hot Mix Asphalt (HMA) with Recycled Asphalt Shingles (RAS) paving, and roadway surfacing, resurfacing, square-patching and overlay projects

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	13.00	0.00	13.00	100.00%	1	13.00	100.00%	0.00	0.00%
Equipment Operator	347.50	347.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	14.50	14.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	90.25	90.25	0.00	0.00%	0	0.00	-	0.00	-
Traffic control stripers	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	195.00	195.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>686.25</b>	<b>673.25</b>	<b>13.00</b>	<b>1.89%</b>	<b>1</b>	<b>13.00</b>	<b>100.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01156C17 - WPTP Oxygen Generation and Dissolution System Modifications Project Aerator Upgrade

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: WPTP Oxygen Generation and Dissolution System Modifications Project Aerator Upgrade  
 Contract Number: C01156C17  
 Prime Contractor: McClure and Sons Inc.  
 Contract Award Amount: \$6,175,732  
 Execution Date: October 17, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 7.00%  
**Apprenticeship Rate: 2018** 38.93%

**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 38.93%

The replacement of 24 existing surface aerators, draft tubes and associated equipment with 24 new aerators and associated equipment including motors, variable speed drives and motor control center.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	1,804.00	1,055.00	749.00	41.52%	2	0.00	0.00%	354.00	47.26%
Electrician	638.00	638.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	410.00	0.00	410.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	125.00	125.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,977.00</b>	<b>1,818.00</b>	<b>1,159.00</b>	<b>38.93%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>354.00</b>	<b>30.54%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01058C17 - 2017 Countywide Pavement Preservation

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2017 Countywide Pavement Preservation  
 Contract Number: C01158C17  
 Prime Contractor: Miles Resources, LLC  
 Contract Award Amount: \$16,379,926  
 Execution Date: June 6, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 10.39%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 7.72%

This project provides for the improvement of 33.67 miles of roadway in King County.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	454.00	368.00	86.00	18.94%	3	0.00	0.00%	86.00	100.00%
Electrician	36.50	36.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,695.50	4,695.50	0.00	0.00%	0	0.00	-	0.00	-
Grounds Maintenance Specialist	22.00	22.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	7,660.50	6,226.00	1,434.50	18.73%	8	433.50	30.22%	642.00	44.75%
Truck Driver	6,087.00	6,087.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	502.00	0.00	502.00	100.00%	3	0.00	0.00%	140.75	28.04%
<b>Total</b>	<b>19,457.50</b>	<b>17,435.00</b>	<b>2,022.50</b>	<b>10.39%</b>	<b>14</b>	<b>433.50</b>	<b>21.43%</b>	<b>868.75</b>	<b>42.95%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01160C17 - Brightwater IPS Effluent Water Reuse

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Brightwater IPS Effluent Water Reuse  
 Contract Number: C01160C17  
 Prime Contractor: General Mechanical, Inc.  
 Contract Award Amount: \$387,558  
 Execution Date: June 29, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%

**Apprenticeship Rate: 2018** 19.81%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 31.07%

The project is to modify the existing Brightwater (BW) Treatment Plant effluent water (EFF) at the Influent Pump Station (IPS) to reuse for Raw Sewage Pumps motors VFD units cooling system heat exchanger and to fill the air gap tank of the utility water supply system in the BW-IPS, in-lieu of existing Reclaimed Water (RW).

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	190.00	190.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	34.50	0.00	34.50	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	274.00	274.00	0.00	0.00%	0	0.00	-	0.00	-
Steamfitter	92.00	0.00	92.00	100.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>638.50</b>	<b>512.00</b>	<b>126.50</b>	<b>19.81%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C01163C17 - Porter Reach Restoration Project – 2017

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Porter Reach Restoration Project - 2017  
 Contract Number: C01163C17  
 Prime Contractor: RODARTE CONSTRUCTION INC  
 Contract Award Amount: \$2,752,673  
 Execution Date: June 19, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2018** 100.00%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 10.01%

The Porter Reach Restoration Project (Porter) is a flood and fish habitat restoration project that consists of removing a section of the Porter Levee, setting it back along SE Green Valley Road (GVT), and raising a section of GVR adjacent to the setback levee.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	27.00	0.00	27.00	100.00%	1	0.00	0.00%	27.00	100.00%
<b>Total</b>	<b>27.00</b>	<b>0.00</b>	<b>27.00</b>	<b>100.00%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>27.00</b>	<b>100.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01166C17 - Building Envelope and Waterproofing Work Order Contract 2018-2019

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Building Envelope and Waterproofing Work Order Contract 2018-2019  
 Contract Number: C01166C17  
 Prime Contractor: V & R Sheet Metal, LLC  
 Contract Award Amount: \$1,500,000  
 Execution Date: July 7, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%

**Apprenticeship Rate: 2018** 3.09%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 3.09%

Roof repair, building envelope and waterproofing work

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Construction Electrician	34.00	0.00	34.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	75.30	75.30	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Painter	673.60	673.60	0.00	0.00%	0	0.00	-	0.00	-
Roofer	78.50	78.50	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	237.50	237.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,098.90</b>	<b>1,064.90</b>	<b>34.00</b>	<b>3.09%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01168C17 - Tolt Barn Roof Replacement

Department Name: Natural Resources & Parks  
 Division: Parks & Recreation  
 Project Name: Tolt Barn Roof Replacement  
 Contract Number: C01168C17  
 Prime Contractor: CADENCE CONSTRUCTION, INC.  
 Contract Award Amount: \$343,200  
 Execution Date: November 2, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 9.02%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 6.59%

Furnishing of all labor, tools, equipment, materials, incidentals, superintendents, subcontractor coordination and overhead of the removal and replacement of existing wooden roof shingles

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	610.00	500.00	110.00	18.03%	1	0.00	0.00%	0.00	0.00%
Painter and Decorator	110.00	110.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	500.00	500.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,220.00</b>	<b>1,110.00</b>	<b>110.00</b>	<b>9.02%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01169C17 - Eastgate Interceptor Rehabilitation Phase III

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Eastgate Interceptor Rehabilitation Phase III  
 Contract Number: C01169C17  
 Prime Contractor: Road Construction Northwest, Inc.  
 Contract Award Amount: \$4,377,125  
 Execution Date: February 1, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 9.50%

**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 9.50%

Install cured-in-place pipe lining in approximately 4,000 feet of 24 to 42-inch diameter reinforced concrete pipe

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	12.00	0.00	12.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	617.50	617.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	280.50	280.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	8,487.80	7,310.30	1,177.50	13.87%	1	0.00	0.00%	0.00	0.00%
Landscaper	351.10	351.10	0.00	0.00%	0	0.00	-	0.00	-
Millwright	54.90	54.90	0.00	0.00%	0	0.00	-	0.00	-
Operator	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	1,943.00	1,943.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	14.50	14.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	338.00	338.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic control stripers	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	357.40	357.40	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>12,516.70</b>	<b>11,327.20</b>	<b>1,189.50</b>	<b>9.50%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01175C17 - Airfield Safety (Signage Replacement and MagVar Update)

Department Name: Transportation  
 Division: King County International Airport  
 Project Name: Airfield Safety (Signage Replacement and MagVar Update)  
 Contract Number: C01175C17  
 Prime Contractor: Colvico, Inc.  
 Contract Award Amount: \$1,367,676  
 Execution Date: August 15, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%

**Apprenticeship Rate: 2018** 25.62%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 17.19%

The work covered under this solicitation is Airfield Signage and Marking Improvements.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	63.00	0.00	63.00	100.00%	2	0.00	0.00%	0.00	0.00%
Electrician	484.00	484.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	143.00	143.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	358.00	0.00	358.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	283.50	267.50	16.00	5.64%	1	0.00	0.00%	16.00	100.00%
Operator	173.00	173.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	171.50	171.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,706.00</b>	<b>1,269.00</b>	<b>437.00</b>	<b>25.62%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>16.00</b>	<b>3.66%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01182C17 - Alki Treatment Plant Blower and Scrubber Upgrade

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Alki Treatment Plant Blower and Scrubber Upgrade  
 Contract Number: C01182C17  
 Prime Contractor: McClure and Sons Inc.  
 Contract Award Amount: \$764,740  
 Execution Date: October 6, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 3.00%  
**Apprenticeship Rate: 2018** 36.31%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 36.32%

This project includes odor control system capacity upgrades including all mechanical and electrical components.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	928.00	481.00	447.00	48.17%	1	0.00	0.00%	0.00	0.00%
Electrician	205.00	205.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	132.00	0.00	132.00	100.00%	1	0.00	0.00%	0.00	0.00%
Operator	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	50.00	50.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	249.50	249.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,594.50</b>	<b>1,015.50</b>	<b>579.00</b>	<b>36.31%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01184C17 - Alki Wet Weather Treatment Facility Hypochlorite Pump Replacement

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Alki Wet Weather Treatment Facility Hypochlorite Pump Replacement  
 Contract Number: C01184C17  
 Prime Contractor: Stellar J Corporation  
 Contract Award Amount: \$326,227  
 Execution Date: November 6, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 25.02%

**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 25.04%

Replacing the sodium hypochlorite pumping system

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	30.00	0.00	30.00	100.00%	1	0.00	0.00%	30.00	100.00%
Electrician	177.50	177.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	110.00	0.00	110.00	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	156.00	156.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	76.00	76.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>559.50</b>	<b>419.50</b>	<b>140.00</b>	<b>25.02%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>30.00</b>	<b>21.43%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01197C17 - Pier 50 Float Replacement Project (Design-Build)

Department Name: Transportation  
 Division: Marine Division - Ferry District  
 Project Name: Pier 50 Float Replacement Project (Design-Build)  
 Contract Number: C01197C17  
 Prime Contractor: Manson Construction Inc.  
 Contract Award Amount: \$7,180,000  
 Execution Date: March 5, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2018** 15.28%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 15.28%

Design, construct and deliver new monolithic concrete float

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter, Piledriver	166.00	0.00	166.00	100.00%	1	0.00	0.00%	166.00	100.00%
Inside Wire-man	429.00	123.00	306.00	71.33%	2	0.00	0.00%	0.00	0.00%
Piledriver	2,361.50	2,361.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	132.00	132.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,088.50</b>	<b>2,616.50</b>	<b>472.00</b>	<b>15.28%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>166.00</b>	<b>35.17%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01204C17 - Maury Island Aquatic Reserve Armoring Removal

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Maury Island Aquatic Reserve Armoring Removal  
 Contract Number: C01204C17  
 Prime Contractor: QUIGG BROS INC  
 Contract Award Amount: \$772,005  
 Execution Date: July 31, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 8.21%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 8.22%

The project consists of selective demolition of residential structures and bulkheads on up to eight non-contiguous parcels on Vashon and Maury Islands.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Asbestos Worker	398.00	398.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	101.00	0.00	101.00	100.00%	1	0.00	0.00%	101.00	100.00%
Operator	217.00	217.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	190.00	190.00	0.00	0.00%	0	0.00	-	0.00	-
Piledriver	256.00	256.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	67.50	67.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,229.50</b>	<b>1,128.50</b>	<b>101.00</b>	<b>8.21%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>101.00</b>	<b>100.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01206C17 - 2017-2018 Countywide Guardrail (Maintenance Divisions 1, 2, 3 & 4)

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2017-2018 Countywide Guardrail (Maintenance Divisions 1, 2, 3 & 4)  
 Contract Number: C01206C17  
 Prime Contractor: PETERSEN BROTHERS INC  
 Contract Award Amount: \$914,374  
 Execution Date: March 29, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%

**Apprenticeship Rate: 2018** 30.73%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 30.73%

This project provides for the improvement of various county roads in King County by removing existing guardrail, installing new guardrail, guardrail anchors, end terminal sections and other works.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Flagger	615.50	615.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	826.00	286.00	540.00	65.38%	4	0.00	0.00%	131.50	24.35%
Operator	315.50	315.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,757.00</b>	<b>1,217.00</b>	<b>540.00</b>	<b>30.73%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>131.50</b>	<b>24.35%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01207C17 - Environmental Lab Fume Hood Replacement (rebid)

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Environmental Lab Fume Hood Replacement (rebid)  
 Contract Number: C01207C17  
 Prime Contractor: McKinstry  
 Contract Award Amount: \$4,212,375  
 Execution Date: December 7, 2017  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%

**Apprenticeship Rate: 2018** 9.65%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 9.64%

The work is to remove and replace multiple existing fume hoods and upgrade mechanical systems.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	13.00	10.00	3.00	23.08%	1	0.00	0.00%	0.00	0.00%
Electrician	1,017.00	1,017.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	96.00	0.00	96.00	100.00%	1	0.00	0.00%	96.00	100.00%
Maint Plumber/Steamfitter	60.00	0.00	60.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitters	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	605.00	588.50	16.50	2.73%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	1,606.34	1,453.34	153.00	9.52%	8	0.00	0.00%	50.00	32.68%
<b>Total</b>	<b>3,403.34</b>	<b>3,074.84</b>	<b>328.50</b>	<b>9.65%</b>	<b>12</b>	<b>0.00</b>	<b>0.00%</b>	<b>146.00</b>	<b>44.44%</b>

#### Notes:

\*Hours for Women include minority females

\*\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01209C17 - West Point Treatment Plant Solids Building Locker Room Replacement

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: West Point Treatment Plant Solids Building Locker Room Replacement  
 Contract Number: C01209C17  
 Prime Contractor: MJ Takisaki Inc  
 Contract Award Amount: \$537,550  
 Execution Date: February 7, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%

**Apprenticeship Rate: 2018** 6.62%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 6.59%

Replacing the women's and men's locker room facilities in the West Point Treatment Plant solids building.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Acoustical Applicator	25.00	25.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	428.00	428.00	0.00	0.00%	0	0.00	-	0.00	-
Drywall Installer/taper	349.50	349.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	304.25	304.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	142.75	0.00	142.75	100.00%	2	0.00	0.00%	14.00	9.81%
Insulation (Heat and Frost) Worker	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	62.50	62.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	283.50	283.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	260.90	260.90	0.00	0.00%	0	0.00	-	0.00	-
Plumber	126.00	106.00	20.00	15.87%	1	0.00	0.00%	0.00	0.00%
Tilessetter	460.00	460.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,458.40</b>	<b>2,295.65</b>	<b>162.75</b>	<b>6.62%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>14.00</b>	<b>8.60%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01211C17 - Storm drain Crossing Taxiway B at Connection B5 (Rebid)

Department Name: Transportation  
 Division: King County International Airport  
 Project Name: Stormdrain Crossing Taxiway B at Connection B5 (Rebid)  
 Contract Number: C01211C17  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$640,460  
 Execution Date: June 7, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%

**Apprenticeship Rate: 2018** 3.68%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 3.66%

Excavation, replacement and realignment of storm pipes and aircraft rated catch basin.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Construction Electrician	19.00	0.00	19.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	42.00	42.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	250.50	250.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	553.50	553.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	118.00	118.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	98.75	98.75	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	324.25	324.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	34.25	0.00	34.25	100.00%	1	0.00	0.00%	34.25	100.00%
<b>Total</b>	<b>1,448.25</b>	<b>1,395.00</b>	<b>53.25</b>	<b>3.68%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>34.25</b>	<b>64.32%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01213C17 - King County MRJC Detention Walk-in Refrigeration Equipment Replacement

Department Name: Executive Services  
 Division: Facilities Management Division  
 Project Name: King County MRJC Detention Walk-in Refrigeration Equipment Replacement  
 Contract Number: C01213C17  
 Prime Contractor: Biwell Construction Inc.  
 Contract Award Amount: \$681,395  
 Execution Date: January 18, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 9.36%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 9.37%

Replacing the equipment & piping for the walk-in refrigerators/freezers.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	59.00	0.00	59.00	100.00%	1	0.00	0.00%	0.00	0.00%
Construction Electrician	110.00	0.00	110.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	706.00	706.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Refrigeration Mechanic	882.75	882.75	0.00	0.00%	0	0.00	-	0.00	-
Refrigeration Mechanics	35.50	35.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	3.50	3.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,804.75</b>	<b>1,635.75</b>	<b>169.00</b>	<b>9.36%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01214C17 - Teufel Large Wood Mitigation

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Teufel Large Wood Mitigation  
 Contract Number: C01214C17  
 Prime Contractor: IO Environmental & Infrastructure Inc.  
 Contract Award Amount: \$645,025  
 Execution Date: May 2, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 10.98%  
**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 10.96%

Excavate, install and anchor replacement of a log habitat structure, regarding of the existing bank, and revegetate the low-flow margins on the Green River.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Equipment Operator	893.00	893.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	607.34	425.84	181.50	29.88%	1	0.00	0.00%	181.50	100.00%
Surveyor	45.00	45.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	106.96	106.96	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,652.30</b>	<b>1,470.80</b>	<b>181.50</b>	<b>10.98%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>181.50</b>	<b>100.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01224C17 - Transit Passenger Facilities Improvements 2018-2019 Work Order

Department Name: Transportation  
 Division: Transit Division  
 Project Name: Transit Passenger Facilities Improvements 2018-2019 Work Order  
 Contract Number: C01224C17  
 Prime Contractor: Tokita Construction, Inc.  
 Contract Award Amount: \$500,000  
 Execution Date: March 12, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 3.00%  
**Apprenticeship Rate: 2018** 0.25%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 0.25%

Construction of improvements at King County Transit Facilities.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Finishers	655.00	655.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,324.75	1,319.75	5.00	0.38%	1	0.00	0.00%	5.00	100.00%
<b>Total</b>	<b>1,979.75</b>	<b>1,974.75</b>	<b>5.00</b>	<b>0.25%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>5.00</b>	<b>100.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01225C18 - South Plant Painting Exterior Walls Phase B

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: South Plant Painting Exterior Walls Phase B  
 Contract Number: C01225C18  
 Prime Contractor: METRO PAINTING LLC  
 Contract Award Amount: \$707,000  
 Execution Date: July 2, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 6.00%

**Apprenticeship Rate: 2018** 6.29%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 6.28%

Preparing and painting all exterior surfaces of the buildings shown in the contract drawings

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Painter	4,861.50	4,861.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	326.50	0.00	326.50	100.00%	1	0.00	0.00%	326.50	100.00%
<b>Total</b>	<b>5,188.00</b>	<b>4,861.50</b>	<b>326.50</b>	<b>6.29%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>326.50</b>	<b>100.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C01234C18 - May Creek - Ripley Lane Trestle Rehabilitation

Department Name: Natural Resources & Parks  
 Division: Parks & Recreation  
 Project Name: May Creek - Ripley Lane Trestle Rehabilitation  
 Contract Number: C01234C18  
 Prime Contractor: DERIAN, INC.  
 Contract Award Amount: \$619,435  
 Execution Date: June 13, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%

**Apprenticeship Rate: 2018** 18.60%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 18.58%

Demolish existing RR ties, timber bridge abutments, track, and walkways fence; repair timber at existing support structures and piles

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Accounts Payable Clerk	311.50	311.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	1,198.50	894.00	304.50	25.41%	1	0.00	0.00%	0.00	0.00%
Fence Erector	126.75	126.75	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,636.75</b>	<b>1,332.25</b>	<b>304.50</b>	<b>18.60%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01235C18 - Steve Cox Synthetic Turf Field

Department Name: Natural Resources & Parks  
 Division: Parks & Recreation  
 Project Name: Steve Cox Synthetic Turf Field  
 Contract Number: C01235C18  
 Prime Contractor: A-1 Landscaping and Construction  
 Contract Award Amount: \$1,654,823  
 Execution Date: June 7, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 7.00%

**Apprenticeship Rate: 2018** 8.12%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 8.12%

Construct a multi-use synthetic turf field at existing natural grass Ballfields #2 and #3

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice		Total # Apprentices	**Apprentice Hours			
			Hours	% of Total Hours		*Women	%	Minorities	%
Carpenter	556.75	556.75	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	288.50	288.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	250.50	250.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Irrigation Pump Installer	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	631.50	496.50	135.00	21.38%	3	99.00	73.33%	0.00	0.00%
Landscape Technician	118.00	20.00	98.00	83.05%	2	0.00	0.00%	98.00	100.00%
Landscaper	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	936.50	936.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	77.25	77.25	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,871.00</b>	<b>2,638.00</b>	<b>233.00</b>	<b>8.12%</b>	<b>5</b>	<b>99.00</b>	<b>42.49%</b>	<b>98.00</b>	<b>42.06%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01241C18 - 2018 Vashon Highway SW Pavement Preservation

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2018 Vashon Highway SW Pavement Preservation  
 Contract Number: C01241C18  
 Prime Contractor: ICON Materials  
 Contract Award Amount: \$4,803,683  
 Execution Date: May 15, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%

**Apprenticeship Rate: 2018** 9.32%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 9.31%

Removal of pavement markings, planing bituminous surfaces, pavement repair excavation, paving with hot mix asphalt, erosion control, installing rumble strips, and other work

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	772.50	0.00	772.50	100.00%	4	129.00	16.70%	0.00	0.00%
Equipment Operator	2,246.50	2,246.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	3,553.25	3,415.25	138.00	3.88%	1	0.00	0.00%	0.00	0.00%
Teamster/Truck driver	884.35	884.35	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	3,133.24	3,133.24	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	84.00	0.00	84.00	100.00%	2	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>10,673.84</b>	<b>9,679.34</b>	<b>994.50</b>	<b>9.32%</b>	<b>7</b>	<b>129.00</b>	<b>12.97%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01258C18 - Airfield Electrical Upgrades - Homerun Infrastructure and Re-Cabling

Department Name: Transportation  
 Division: King County International Airport  
 Project Name: Airfield Electrical Upgrades - Homerun Infrastructure and Re-Cabling  
 Contract Number: C01258C18  
 Prime Contractor: Colvico, Inc.  
 Contract Award Amount: \$337,296  
 Execution Date: July 18, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 14.42%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 14.43%

Installation of homerun conduit and hand holes; re-cabling of homerun cables from the electrical vault to the airfield at KCIA

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	284.00	284.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	118.00	0.00	118.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	145.00	145.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	207.50	207.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	64.00	64.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>818.50</b>	<b>700.50</b>	<b>118.00</b>	<b>14.42%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C01259C18 - SE 19th Way Road Realignment and Revetment Repair

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: SE 19th Way Road Realignment and Revetment Repair  
 Contract Number: C01259C18  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$602,764  
 Execution Date: July 10, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2018** 13.32%  
**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 13.29%

Realignment of a portion of SE 19th Way, located along the left bank of the Snoqualmie River, and the reconstruction of the adjacent bank revetment along the same left bank.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	147.50	0.00	147.50	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	266.00	266.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	86.00	86.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	38.00	38.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	26.00	26.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	45.25	45.25	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	505.00	505.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	1.00	0.00	1.00	100.00%	1	1.00	100.00%	1.00	100.00%
<b>Total</b>	<b>1,114.75</b>	<b>966.25</b>	<b>148.50</b>	<b>13.32%</b>	<b>2</b>	<b>1.00</b>	<b>0.67%</b>	<b>1.00</b>	<b>0.67%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C01264C18 - 2018 Countywide Pavement Preservation

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2018 Countywide Pavement Preservation  
 Contract Number: C01264C18  
 Prime Contractor: Miles Resources, LLC  
 Contract Award Amount: \$10,266,266  
 Execution Date: August 9, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 7.00%  
**Apprenticeship Rate: 2018** 13.14%  
**Construction Completed:**  
 \*\*\*Cumulative Apprenticeship Rate: 13.13%

This project provides for the improvement of 40.21 miles of roadway in King County.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	14.50	14.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,562.25	1,562.25	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Mechanic Repairman	5.50	5.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	2,919.00	2,293.00	626.00	21.45%	6	61.00	9.74%	194.50	31.07%
Truck Driver	1,678.50	1,678.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	214.00	0.00	214.00	100.00%	3	0.00	0.00%	70.00	32.71%
<b>Total</b>	<b>6,393.75</b>	<b>5,553.75</b>	<b>840.00</b>	<b>13.14%</b>	<b>9</b>	<b>61.00</b>	<b>7.26%</b>	<b>264.50</b>	<b>31.49%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



# C01269C18 - Tolt Pipeline Protection - Winkelman Revetment Reconstruction (Rebid)

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Tolt Pipeline Protection - Winkelman Revetment Reconstruction (Rebid)  
 Contract Number: C01269C18  
 Prime Contractor: ORION MARINE CONTRACTORS, INC  
 Contract Award Amount: \$5,570,502  
 Execution Date: June 20, 2018  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%

**Apprenticeship Rate: 2018** 21.18%

**Construction Completed:**

\*\*\*Cumulative Apprenticeship Rate: 21.17%

Revetment Reconstruction including riprap installation; engineered log structures; band and tributary regarding; new culvert; erosion control; and site restoration

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Accounts Payable Clerk	147.75	147.75	0.00	0.00%	0	0.00	-	0.00	-
Carpenter, Piledriver	1,974.50	182.00	1,792.50	90.78%	6	0.00	0.00%	911.00	50.82%
Constr Equip Operator	398.50	0.00	398.50	100.00%	2	388.50	97.49%	0.00	0.00%
Equipment Operator	471.50	471.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	754.00	754.00	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	635.50	0.00	635.50	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	53.50	53.50	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	79.00	79.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	3,192.00	3,192.00	0.00	0.00%	0	0.00	-	0.00	-
Piledriver	3,167.00	3,167.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	64.00	64.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	2,409.50	2,409.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>13,346.75</b>	<b>10,520.25</b>	<b>2,826.50</b>	<b>21.18%</b>	<b>9</b>	<b>388.50</b>	<b>13.74%</b>	<b>911.00</b>	<b>32.23%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date